The Maverik Hanford Project
Draft Initial Study and Mitigated Negative Declaration

Prepared for
City of Hanford
900 South 10th Avenue
Hanford, California 93230

October 2026

Submitted by

Maverik
185 South State Street
Suite 800
Salt Lake City, Utah 84111

Prepared by
Kimley-Horn and Associates
555 Capitol Mall, Suite 300
Sacramento, CA 95814

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Table of Contents

1.0 INTRODUCTION & PURPOSE 4
1.1 Purpose and Scope of the Initial Study 4
1.2 Summary of Findings 4
1.3 Initial Study Public Review Process 2
1.4 Report Organization 3
2.0 DESCRIPTION OF PROPOSED PROJECT 3
2.1 Project Location 3
2.2 Environmental Setting 4
2.3 Proposed Project 5
3.0 INITIAL STUDY CHECKLIST 20
4.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED 23
5.0 ENVIRONMENTAL ANALYSIS 24
5.1 AESTHETICS 24
5.2 AGRICULTURE AND FORESTRY RESOURCES 28
5.3 AIR QUALITY 31
5.4 BIOLOGICAL RESOURCES 57
5.5 CULTURAL RESOURCES 67
5.6 ENERGY 71
5.7 GEOLOGY AND SOILS 79
5.8 GREENHOUSE GAS EMISSIONS 86
5.9 HAZARDS AND HAZARDOUS MATERIALS 106
5.10 HYDROLOGY AND WATER QUALITY 113
5.11 LAND USE AND PLANNING 122
5.12 MINERAL RESOURCES 123
5.13 NOISE 125
5.14 POPULATION AND HOUSING 144
5.15 PUBLIC SERVICES 146
5.16 RECREATION 150
5.17 TRANSPORTATION 152
5.18 TRIBAL CULTURAL RESOURCES 159

5.19 UTILITIES AND SERVICE SYSTEMS 162
5.20 WILDFIRE 167
5.21 MANDATORY FINDINGS OF SIGNIFICANCE 170
6.0 IS/MD REFERENCES 173
Appendix A Air Quality, Greenhouse Gas, and Energy Modeling Data 179
Appendix B Health Risk Assessment (HRA) Modeling data 180
Appendix C Biological Resources 181
Appendix D Cultural Resources Study 182
Appendix E Noise Modeling Data 183
Appendix F Traffic Impact Study 184

Tables

Table 5.3- 1: State and Federal Ambient Air Quality Standards 32
Table 5.3-2: Air Contaminants and Associated Public Health Concerns 38
Table 5.3-3: Ambient Air Quality Data 40
Table 5.3-4: Sensitive Receptors 42
Table 5.3-5: SJVAPCD Criteria Pollutant Thresholds of Significance 42
Table 5.3-6: Construction-Related Emissions 45
Table 5.3-7: Project Operational Emissions 47
Table 5.3-8: Carcinogenic Risk Assessment 53
Table 5.3-9: Chronic and Acute Hazards Assessment Results 54
Table 5.6-1: Project Energy Consumption During Construction 74
Table 5.6-2: Annual Energy Consumption During Operations 76
Table 5.8-1: Description of Greenhouse Gases 98
Table 5.8-2: Construction Greenhouse Gas Emissions 101
Table 5.13-1: Land Use/Noise Compatibility Guidelines 127
Table 5.13-2: Sensitive Receptors 130
Table 5.13-3: Ambient Noise Levels 130
Table 5.13-4: Typical Construction Noise Levels 132
Table 5.13-5: Project Construction Noise Levels 134
Table 5.13-6: Operational Noise Levels 138
Table 5.13-7: Opening Year and Opening Year Plus Project Traffic Noise Level 139
Table 5.13-8: Typical Construction Equipment Vibration Level 141
Table 5.17-1 – Existing (2025) plus Project Intersection Levels of Service 153

Table 5.17-2 – Cumulative (2045) plus Project Intersection Levels of Service 153
Table 5.17-3 – Cumulative (2045) plus Project Improved Conditions Intersection Levels of Service 154
Table 5.19-1: Normal Year Supply and Demand Comparison 163
Table 5.19- 2: Single Dry Year and Demand Comparison 164
Table 5.19- 3: Multiple Dry Years Supply and Demand Comparison 164

Figures

Figure 1: Regional Map 8
Figure 2: Local Vicinity Map 9
Figure 3: US Topographic Map 10
Figure 4: Vegetation Communities and Land Cover 11
Figure 5: Tentative Parcel Map 12
Figure 6: Phase 1 Conceptual Site Plan 13
Figure 7: Phases 1 and 2 Conceptual Site Plan 14
Figure 8: Preliminary Grading and Drainage Plan 15
Figure 9: Preliminary Utility Plan 16
Figure 10: Fire Hazard Severity Zone 17
Figure 11: Williamson Act Land 18
Figure 12: Project Area Farmland 19

1.0 INTRODUCTION & PURPOSE

1.1 Purpose and Scope of the Initial Study

This Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared in accordance with the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] Section 21000 et seq.) and its Guidelines (California Code of Regulations [CCR], Title 14, Section 15000 et seq.), to evaluate the potential environmental effects associated with the construction and operation of the Maverik Hanford Project. Pursuant to Section 15367 of the State CEQA Guidelines, the City of Hanford (City) is the lead agency for the project. The lead agency is the public agency that has the principal responsibility for carrying out or approving a project.

As set forth in the State CEQA Guidelines Section 15070, an IS/MND can be prepared when the Initial Study has identified potentially significant environmental impacts, but revisions have been made to a project, prior to public review of the Initial Study, that would avoid or mitigate the impacts to a level considered less than significant; and there is no substantial evidence in light of the whole record before the public agency that the project, as revised, may have a significant effect on the environment.

This Initial Study has also been prepared pursuant to Section 15063 of the State CEQA Guidelines to determine whether the proposed project may have a significant effect on the environment and to identify appropriate mitigation measures, if necessary, to reduce potential impacts to less than significant levels.

1.2 Summary of Findings

Section 3.0 of this document contains the Environmental Checklist that was prepared for the proposed project pursuant to CEQA requirements. The Environmental Checklist included in Section 3.0 of this document is based on Appendix G of the State CEQA Guidelines and is used to determine whether the proposed project may result in a significant environmental impact.

Mitigation Measures

State CEQA Guidelines Section 15041, *Authority to Mitigate,* gives the lead agency for a project the authority to require feasible changes in any or all activities involved in the project in order to substantially lessen or avoid significant effects on the environment, consistent with applicable constitutional requirements such as the "nexus" and "rough proportionality" standards. CEQA Guidelines Section 15364 defines "feasible" as capable of being accomplished in a successful manner within a reasonable period of time, considering economic, environmental, legal, social, and technological factors. Mitigation measures will be adopted to reduce the environmental impacts to less than significant levels and must be consistent with all applicable constitutional requirements, including the following:

- There must be an essential nexus (i.e., connections) between the mitigation measure and legitimate governmental interest.
- The mitigation measure must be "roughly proportional" to the impacts of the project.

Several forms of mitigation under CEQA Section 15370 are summarized as follows:

- Avoiding the **impact** by not taking a certain action(s);

- **Minimizing** impacts by limiting the degree or magnitude of the action and its implementation;
- **Rectifying** the impact by repairing, rehabilitating, or restoring the impacted environment;
- **Reducing** or eliminating the impact over time by preservation and maintenance operations during the life of the action; and
- **Compensating** for the impact by replacing or providing substitute resources or environment.

Avoiding impacts is the preferred form of mitigation, followed by minimizing or rectifying the impact to less than significant levels. Compensating for impacts would be pursued if no other form of mitigation is feasible.

The conclusions of this Initial Study are based on substantial evidence in the record, including technical studies, project plans, and applicable regulatory standards, consistent with State CEQA Guidelines Sections 15064(f)(1) and 15384.

Environmental Resource Topics

This IS/MND evaluates the proposed project's impact on the following resource topics:

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

Environmental Baseline Conditions

Pursuant to CEQA Guidelines §15125, the environmental baseline for the proposed project is defined as the existing physical conditions at the project site and its immediate vicinity at the time of release of the Notice of Preparation/Initial Study. Key data sources used to describe baseline conditions include the City of Hanford General Plan and Zoning maps, City GIS data, Kings County GIS mapping, technical studies prepared for the project, and information provided by local agencies such as Kings County Fire, Hanford Police Department, Kings County Library, and the City of Hanford Parks and Recreation Department.

Significance Thresholds

The potential environmental effects of the proposed project were evaluated using thresholds of significance derived from Appendix G of the State CEQA Guidelines. Each resource topic in the Environmental Checklist was assessed to determine whether the project's effects would exceed these thresholds. The thresholds provide objective criteria to evaluate whether impacts would be considered significant based on substantial evidence, including applicable regulatory standards, technical studies, and professional judgment.

For each checklist item, a "less than significant," "less than significant with mitigation," or "potentially significant" determination was made, consistent with Appendix G guidance. Where mitigation measures are required, they are specifically identified in the text to reduce impacts to less than significant levels.

Cumulative Impacts and Mandatory Findings

Pursuant to State CEQA Guidelines Section 15130, cumulative impacts associated with the proposed project are evaluated at the end of each resource topic in **Section 5.0**, *Environmental Analysis*, considering the combined effects of past, present, and reasonably foreseeable future projects. Mandatory Findings of Significance pursuant to Section 15065 are addressed in **Section 5.21**, including determinations of whether the project may have a significant effect on the environment, cause substantial adverse effects on sensitive resources, or result in cumulative impacts that are significant.

1.3 Initial Study Public Review Process

The Initial Study and a Notice of Intent (NOI) to adopt this MND will be distributed to responsible and trustee agencies, other affected agencies, and other parties for a 30-day public review period in accordance with State CEQA Guidelines Section 15072.

Written comments regarding this MND should be addressed to:

Gabrielle Myers
City of Hanford Senior Planner
317 N. Douty St
Hanford, California 93230
gmyers@hanfordca.gov

Responsible and Trustee Agencies

Pursuant to the California Environmental Quality Act and the State CEQA Guidelines, this Initial Study/Mitigated Negative Declaration has been circulated to responsible and trustee agencies that may

have jurisdiction by law or special expertise over resources potentially affected by the proposed project. Responsible and trustee agencies for the proposed project include, but are not limited to, the following:

- San Joaquin Valley Air Pollution Control District (SJVAPCD)
- Central Valley Regional Water Quality Control Board (RWQCB)
- California Department of Transportation (Caltrans)
- Kings County Fire Department
- California Public Utilities Commission (CPUC)

Tribal Consultation

The proposed project is subject to the California Environmental Quality Act (CEQA) provisions for tribal consultation under Assembly Bill 52 (AB 52). The City of Hanford, as lead agency, provided notification to the Santa Rosa Rancheria Tachi Yokut Tribe to notify them of the project and inquire if a consultation would be requested pursuant to Public Resources Code Section 21080.3.1. The Tribe did request a consultation which took place between the City and the Tribe. The tribe requested construction monitoring agreements be established with the applicant which the City has helped facilitate. AB 52 tribal communications are maintained in the administrative record for the project and are available for public review upon request.

1.4 Report Organization

This document has been organized into the following sections:

Section 1.0 – Introduction. This section provides an introduction and overview describing the conclusions of the Initial Study.

Section 2.0 – Project Description. This section identifies key project characteristics and includes a list of anticipated discretionary actions.

Section 3.0 – Initial Study Checklist. The Environmental Checklist Form provides an overview of the potential impacts that may or may not result from project implementation.

Section 4.0 – Environmental Factors Potentially Affected. This section identifies the environmental factors that could be potentially affected by the proposed project.

Section 5.0 – Environmental Evaluation. This section contains an analysis of environmental impacts identified in the environmental checklist.

Section 6.0 – References. The section identifies resources used to prepare the Initial Study.

2.0 DESCRIPTION OF PROPOSED PROJECT

2.1 Project Location

The project is located in the City of Hanford in Kings County, California. The project site is located at 10864 12th Avenue, approximately 1.7 miles southwest of downtown Hanford. The approximately 21.66-acre site is directly south of exit 85 to 12th Avenue on Highway 198. The project is comprised of a single Assessor's Parcel Number (APN) 011-010-013. See ***Figure 1: Regional Map*** and ***Figure 2: Local Vicinity Map***.

2.2 Environmental Setting

REGIONAL SETTING

The City of Hanford is located in south central California, approximately 180 miles southeast of San Francisco, approximately 32 miles south of Fresno, and approximately 175 miles north of Los Angeles. Hanford is located within the San Joaquin Valley region of the greater Central Valley in California. This area is an elongated valley occupying the central region of California, running on average 50 miles wide and 400 miles from north to south. The project site falls within an area of the Central Valley called the San Joaquin Basin. The San Joaquin River flows through the basin with outlets to the San Francisco Bay and Pacific Ocean. The City of Hanford is located near the southern boundary of the San Joaquin Valley and is within the Tulare Lake Sub Basin. The project site is shown on the U.S. Geological Survey's Hanford, California, 7.5-minute quadrangle map. See ***Figure 3: USGS Topographic Map***.

LOCAL SETTING

The area to the west of the project site has been historically used as an agricultural field, but is designated as medium density residential. The area directly north of the project site consists of service commercial, regional commercial, open space, and high density residential designated land uses. To the south of the site, there is low and medium density residential, neighborhood commercial, public facilities, and neighborhood mixed uses designated land uses. Directly east of the project site are regional commercial and low-density residential land uses. Approximately 150 feet to the north of the site is the off ramp for Highway 198. Directly east of the site is 12th Avenue and on the opposite side of the road is a previously disturbed undeveloped lot designated as regional commercial development (City of Hanford General Plan, 2017).

The majority of the project site has been previously disturbed from agricultural uses. Currently the site consists of non-native grasslands consisting of mustard and star-thistle vegetation. The lower east section of the parcel consists of a single-family home with hardscape and landscaping, including trees, within this portion of the site; however, there are no other areas with hardscape. See ***Figure 4: Vegetation Communities and Land Cover*.**

The proposed project area has existing water, sewer, and electrical utilities within 12th Avenue, and existing curbs and gutters along the eastern frontage of the parcel. This covers a majority of the east project site border.

The project site itself is designated as Regional Commercial in the Hanford General Plan. The parcel is zoned Regional Commercial (C-R) within the City of Hanford (City of Hanford, 2017). The Municipal Code lists the permitted uses in land use table in Section 17.08.030.

Per the Municipal Code Chapter 17.18, section I8, the proposed convenience store, with or without fuel sales, would be "Permitted by Right Use" in C-R zoning per Table 17.08.030. The proposed Maverik Gas Station is permitted upon Site Plan Review within the C-R Zoning District.

2.3 Proposed Project

The proposed project consists of two components: a subdivision and development of a convenience store and fueling area. The proposed subdivision would subdivide the existing 20.66-acre parcel into two parcels. One parcel would be 6.10 acres and would be where the proposed convenience store and fueling station would be located. The existing single-family house located on the proposed 6.10-acre parcel would be demolished and removed as part of the project. The remaining 14.56 acres would be left as an undeveloped parcel. No uses or improvements are proposed for the 14.56-acre remainder parcel at this time. Approval of the subdivision requires approval of a Tentative Parcel Map. See ***Figure 5: Tentative Parcel Map*****.** Any future subdivision or other development on the 14.56-acre remainder parcel would require a separate permitting process.

The proposed project would be implemented in two phases. Phase 1 consists of development of the convenience store and primary fueling area on approximately 6.10 acres of the 20.66-acre site. This phase includes construction of an approximately 5,637-square-foot convenience store and installation of twelve (12) fuel dispensers with an associated canopy located in front of the store. The fore-court canopy is 5,668 square feet and would have a 16-foot clearance and total height of 19.3 feet. The development will provide fueling, packaged beer and wine sales, as well as fresh food items. Restroom facilities will be open to the public. The store will operate 24 hours a day, 7 days a week. Per the Municipal Code Chapter 17.08, Section I8 "Convenience store, with or without fuel sales" is a "Permitted by Right Use" in C-R zoning per Table 17.08.030. See ***Figure 6: Phase 1 Conceptual Site Plan***. Further details regarding the operation of the convenience store and fueling area are provided below.

Phase 2, which may or may not be developed (depending on market conditions), would include the installation of five (5) high-flow commercial fueling dispensers and an associated canopy located to the rear of the store. The truck court canopy would be 2,444 square feet with a 16-foot clearance and total height of 19.3 feet. See ***Figure 7: Phases 1 and 2 Conceptual Site Plan***. If Phase 2 is not constructed, the area designated for the rear fueling improvements would remain as landscaped planter area. For purposes of impact analysis, all calculations assume the full development of both Phase 1 and Phase 2, including the rear commercial fueling area. This approach represents a conservative estimate of potential impacts. If Phase 2 is not constructed, actual impacts related to associated site operations would be lower than those presented in this analysis.

Operations

Maverik, Inc. owns and operates over 800 stores across 19 states and plans to continue a favorable growth pattern in the future. Maverik employs over 10,000 people who are eligible for health benefits (Health, Dental and Vision), long and short-term disability, tuition reimbursement, 401 (k) matching contribution opportunities, gym reimbursement, scholarships, paid time off and other benefits. This store will employ approximately 15 to 18 employees. Store employees receive training in over 40 different aspects of the job including safety, point of sale, service, identification for alcohol sales, management, and customer service. Customers are expected to be a mix of local residents and travelers on SR-198 due to close proximity to the exit onto 12th Avenue.

Store Exterior

The building elevations, building materials and floor plan depict the architectural style and themes of the Maverik brand. The exterior of the building will consist of metal roof elements, fiber cement, cultured stone, glass storefront, steel truss beams, etc. HVAC equipment will be situated on the store roof and

screened from view by a parapet wall and is consistent with code requirements for screening roof-mounted mechanical equipment and blending in with the surrounding community. The fuel canopy would incorporate the same architectural elements and materials as the convenience store to maintain a consistent design throughout the site.

Traffic Access and Parking

Site access will be from a proposed private drive aisle along the site's southern border (across from W Hayden Ave), with three (3) access driveways to the proposed development. Access to the project site will be provided via one (1) proposed full access driveway, one (1) ingress only Heavy-Duty Vehicle driveway, and one (1) egress only Heavy-Duty Vehicle driveway along the proposed extension of Hayden Avenue. Provided parking includes twenty-nine (29) standard stalls (9' x 20'), with two (2) being EV ready stalls, two (2) being EV ready accessible stalls, seven (7) of the parking stalls listed as EV capable, and two (2) accessible stalls. Bike parking is available near the entrances of the convenience store.

Landscaping

Landscaping will be provided adjacent to all rights-of-way and buffers around the edges of the property entrances. Furthermore, the northern section of the property would remain with the existing natural landscaping.

Stormwater

Stormwater runoff on the project site would be collected in onsite storm drains and delivered to bioretention areas. The project site includes four (4) onsite bioretention basins with one in the northwest corner, one in the southwest corner, one in the southeast corner, and offsite directly south of the proposed project site. See ***Figure 8: Preliminary Grading and Drainage Plan***. Stormwater at the site would be collected by storm drain catch basins onsite and conveyed into a bioretention area where the water would infiltrate into the soil. Each of the bioretention areas would be specifically sized to accommodate the amount of water that would be collected from a portion of the project site.

Utilities

The project site would tie into existing water, sewer, gas, electrical, and telecommunications utilities located along 12th Avenue. The project would construct a 12-inch water main extension within Hayden Avenue along the project frontage. The water main extension would connect into the existing water main within 12th Avenue. Water line laterals would extend from the main within Hayden Avenue to the project site.

The project would construct a 12-inch sanitary sewer main extension within Hayden Avenue along the project frontage. This line would extend from the existing 30-inch sewer main to 12th Avenue. A 4 to 6-inch sewer lateral would extend from Hayden Avenue to serve the project site.

Electrical utilities would be brought onsite from existing connections on 12th Avenue. See ***Figure 9: Preliminary Utility Plan*.**

Signage

The proposed sign plan will comply with code and is designed for visibility and minimum impact to the existing adjacent uses.

Leak Prevention

The proposed project would install double walled noncorrodible fiberglass underground storage tanks that are hooked up to non-corrodible flexible plastic piping. When gas is delivered, a vapor recovery system would prevent fumes from escaping into the air, reducing the impact on surrounding neighbors and development. In the event of an emergency if any leak were to occur, the proposed project would have state-of-the-art leak detection equipment along with in-house resources who monitor issues in real time and immediately respond to conditions.

Alcohol Licensing

The proposed project will apply for an alcohol license that allows for packaged alcohol to be purchased but not consumed on site.

Grading and Construction

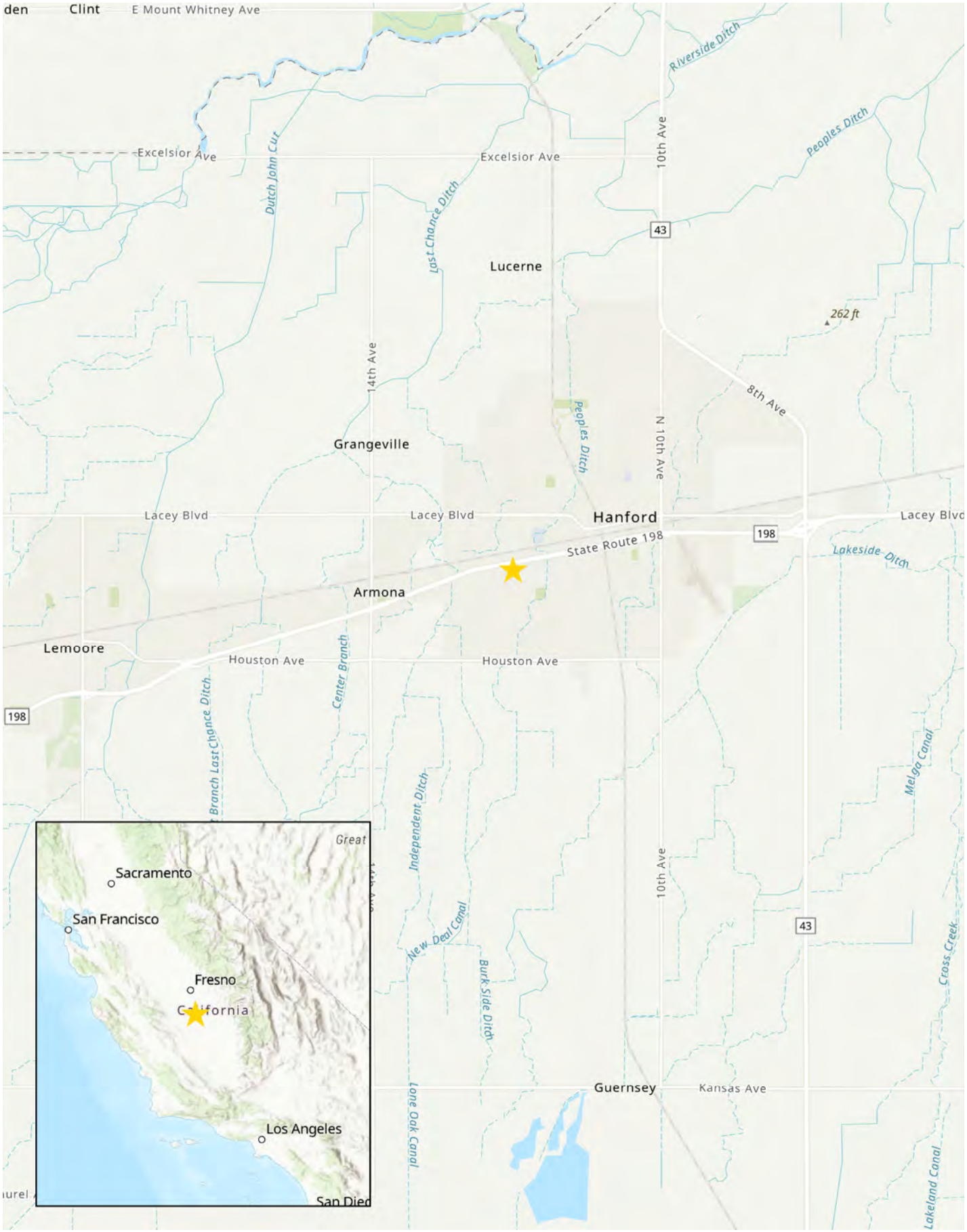
Proposed construction for the convenience store and gas station is expected to start in the second quarter of 2026 and take approximately nine months to complete. The expected opening date will occur during the second or third quarter of 2027. Grading during this time is expected to take approximately one month and would involve the import of approximately 10,300 cubic yards of soil. During the construction phase of the project, there will be approximately 241 heavy truck trips made to the project site.

Other Improvements

Other improvements include the construction of concrete sidewalks added to the southern side of the project site to account for pedestrian access, lighting, striping, a crosswalk, asphalt pavement, accessible ramps, driveway and valley gutters, and a barricade.

Offsite improvements include improving Hayden Avenue to two lanes from 12th Avenue to the eastern boundary of the proposed Maverik lot. The total roadway cross section would be 48 feet plus 5-foot sidewalks and pedestrian ramps at 12th Avenue and the project driveway. Pedestrian ramps and a crosswalk would be constructed at the intersection with 12th Avenue.

The project would also install a new traffic signal at the intersection of 12th Avenue and Hayden Avenue. The traffic signal would control traffic at the intersection and facilitate left turns from Hayden Avenue to northbound 12th Avenue.



Source: ESRI, 2025

Figure 1: Regional Map

Maverik Hanford Project
City of Hanford

Not to scale

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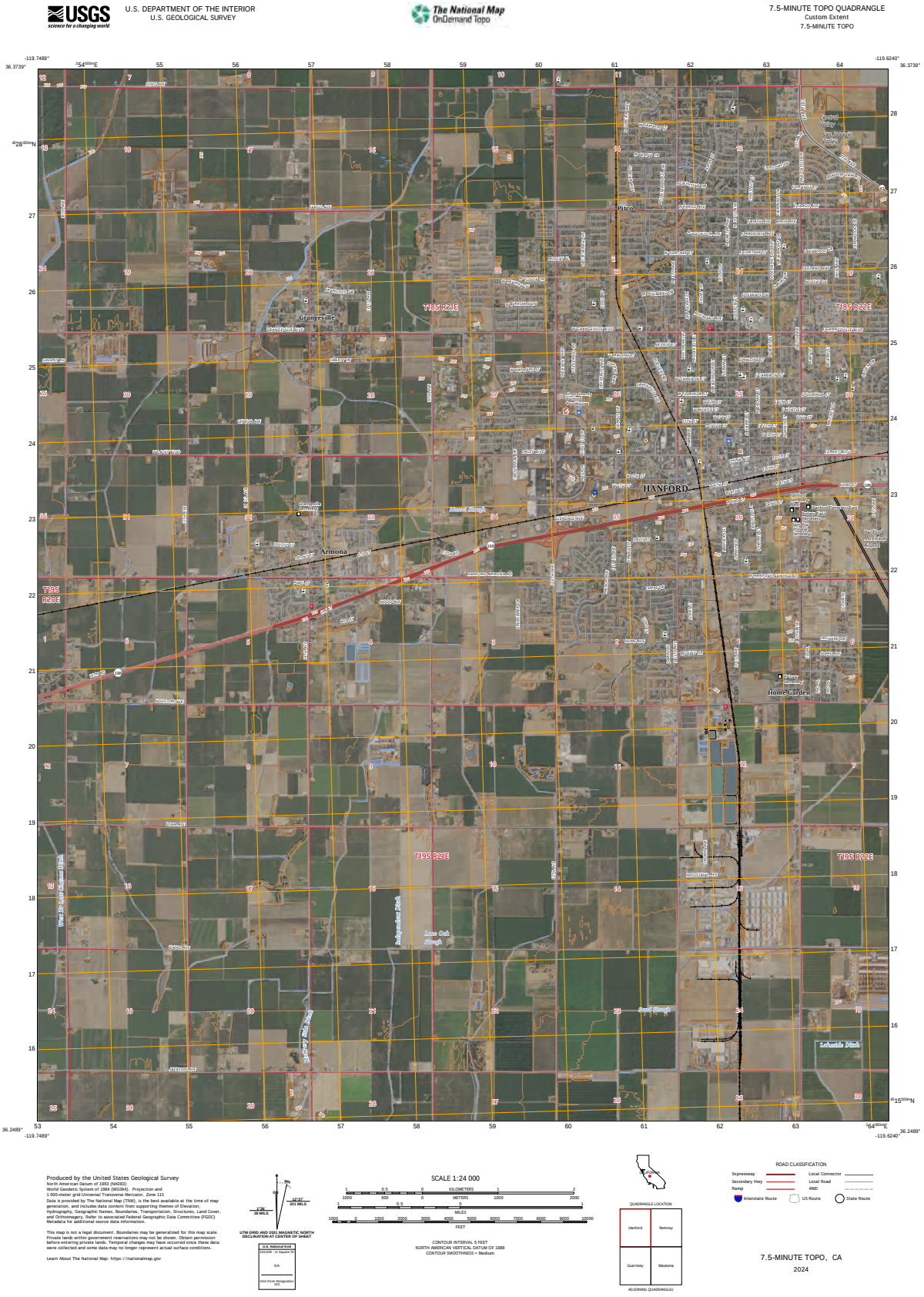
Source: ESRI, 2025

Figure 2: Local Vicinity Map

Maverik Hanford Project
City of Hanford

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Source: USGS, 2025

Figure 3: USGS Topographic Map

Maverik Hanford Project
City of Hanford

Not to scale

Kimley»Horn



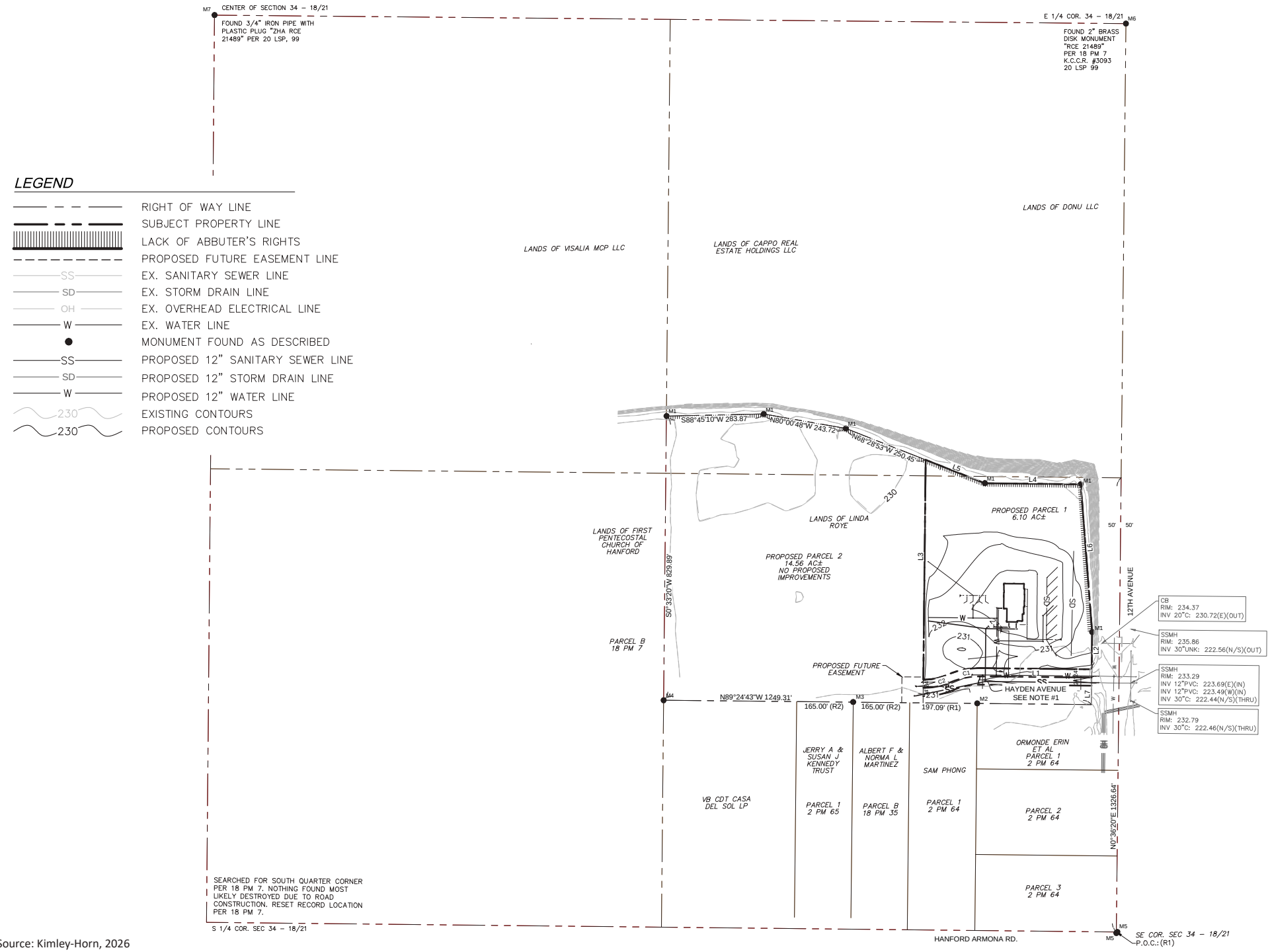
Source: Microsoft Bing, 2025

Figure 4: Vegetation Communities and Land Cover

Maverik Hanford Project
City of Hanford

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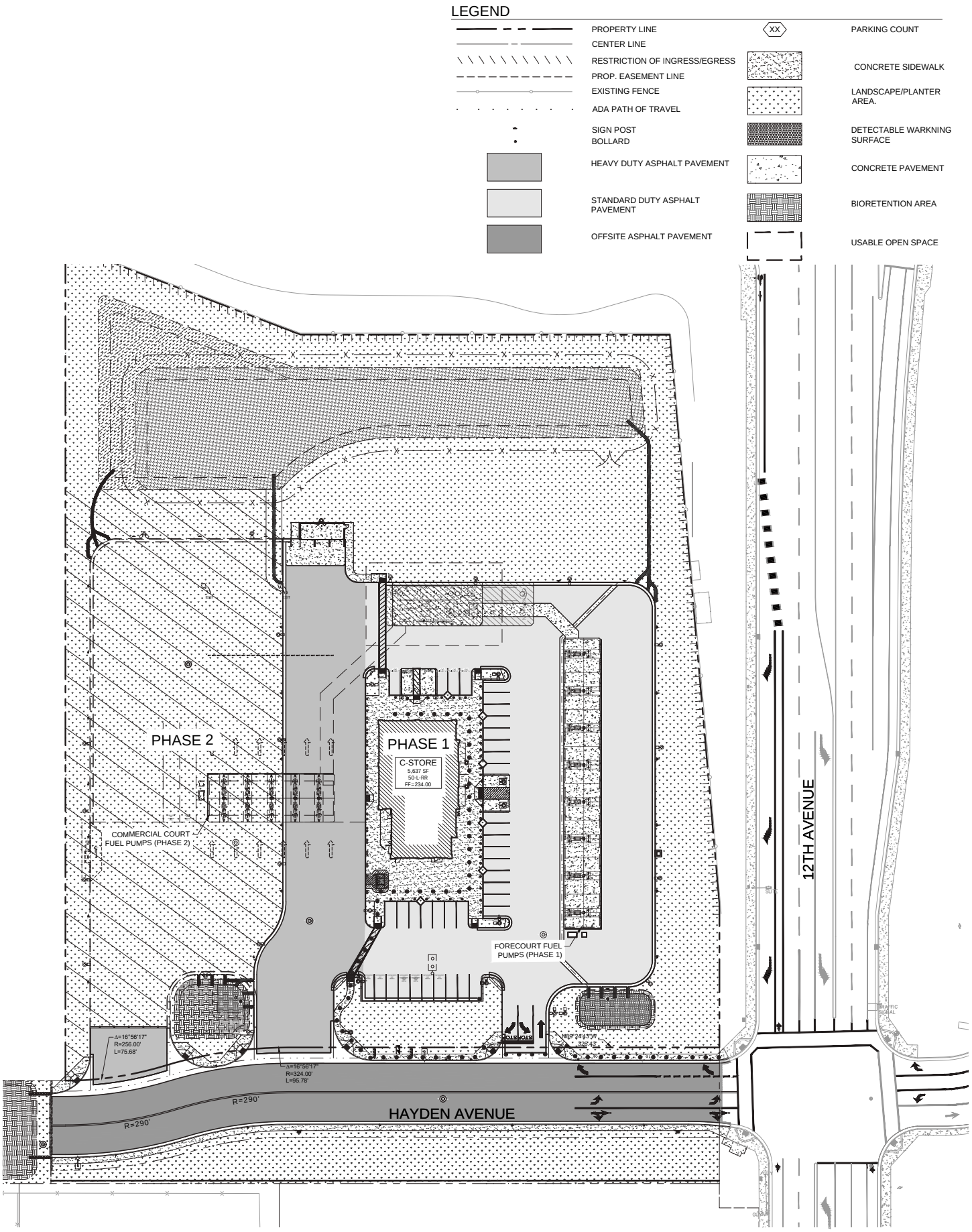
Source: Kimley-Horn, 2026

Figure 5: Tentative Parcel Map

Maverik Hanford Project
City of Hanford

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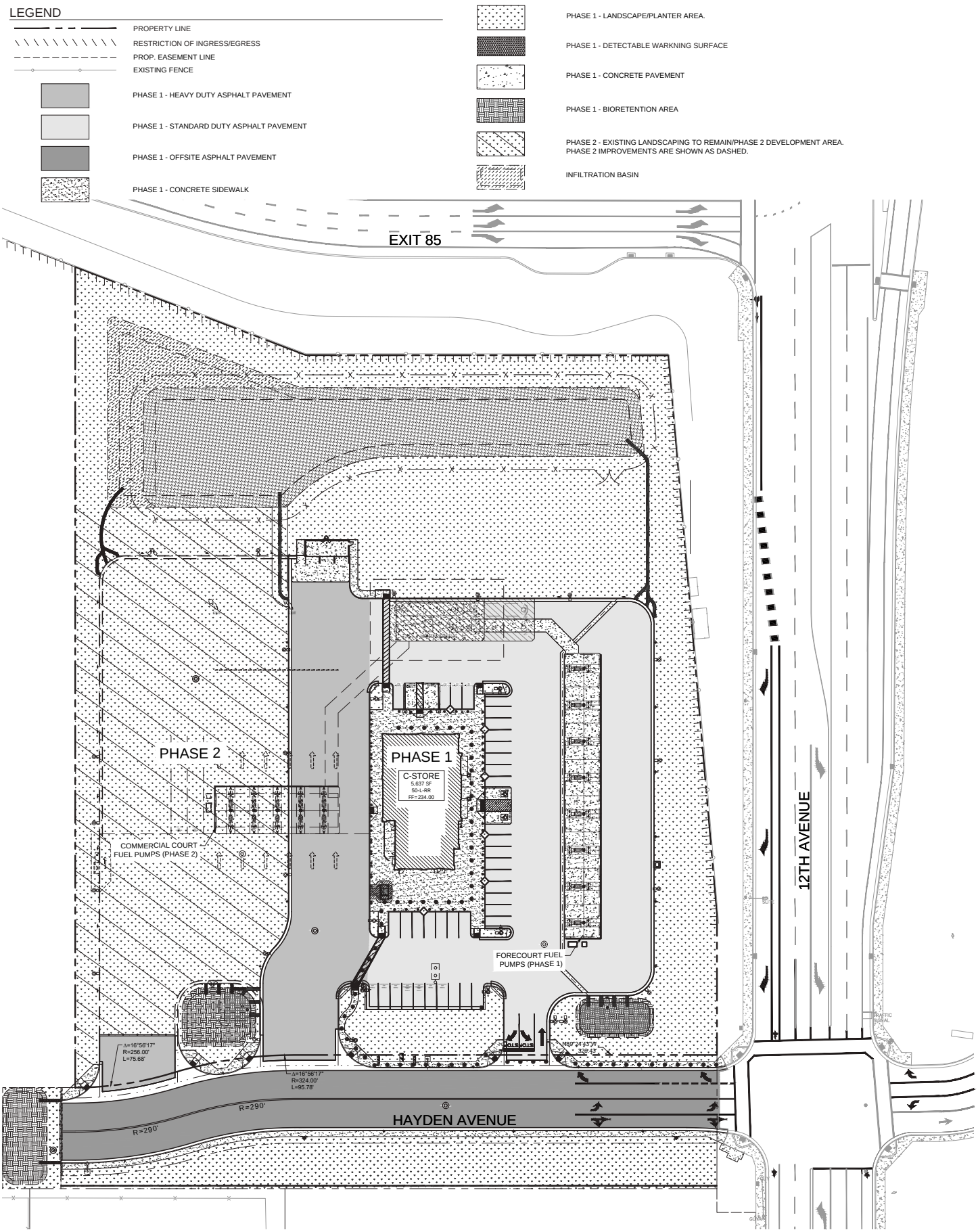
Source: Kimley-Horn, 2026

Figure 6: Conceptual Site Plan

Maverik Hanford Project
City of Hanford

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Source: Kimley-Horn, 2026

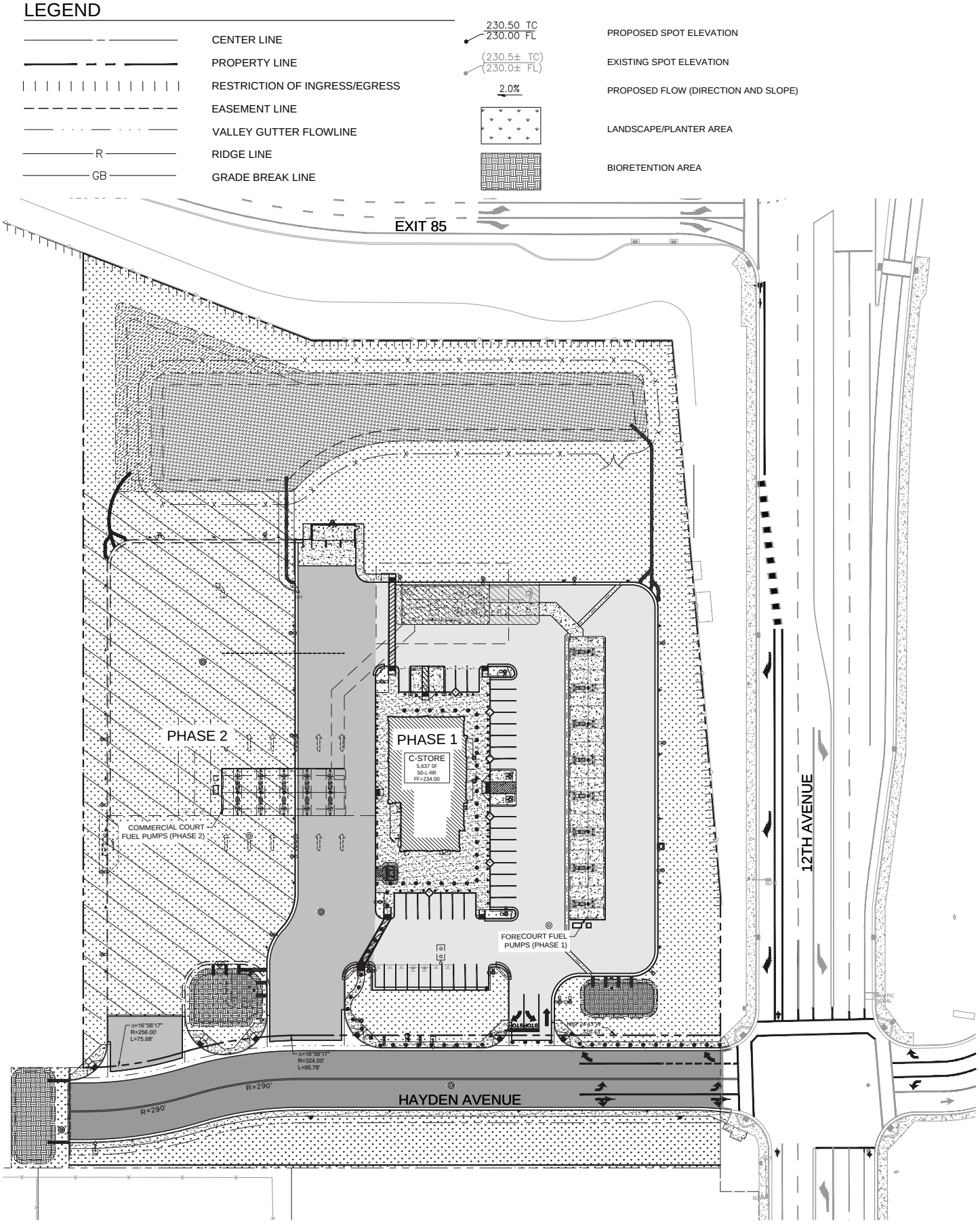
Figure 7: Phase 1 and 2 Conceptual Site Plan

Maverik Hanford Project

City of Hanford

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Source: Kimley-Horn, 2026

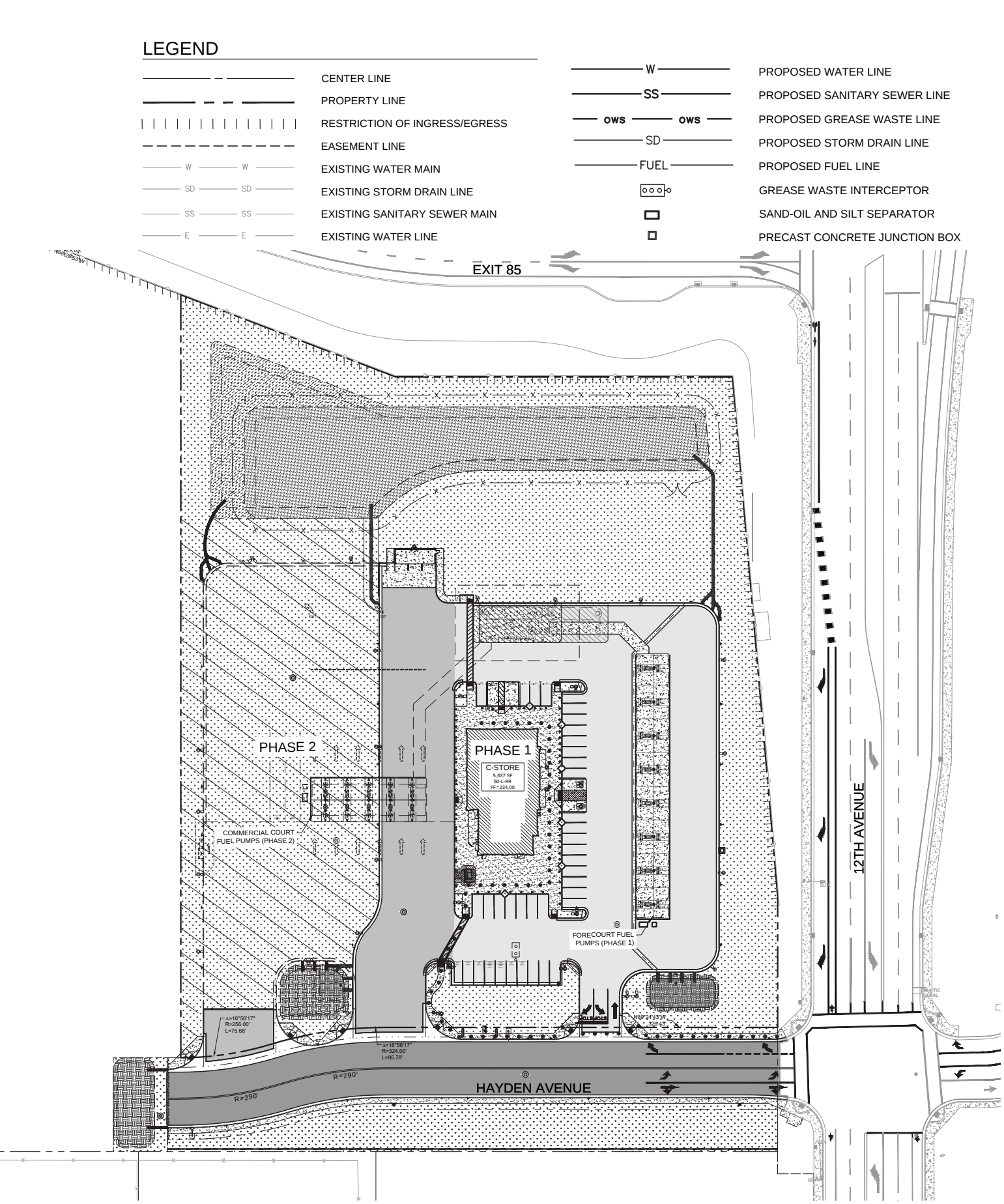
Figure 8: Preliminary Grading and Drainage Plan

Maverik Hanford Project

City of Hanford

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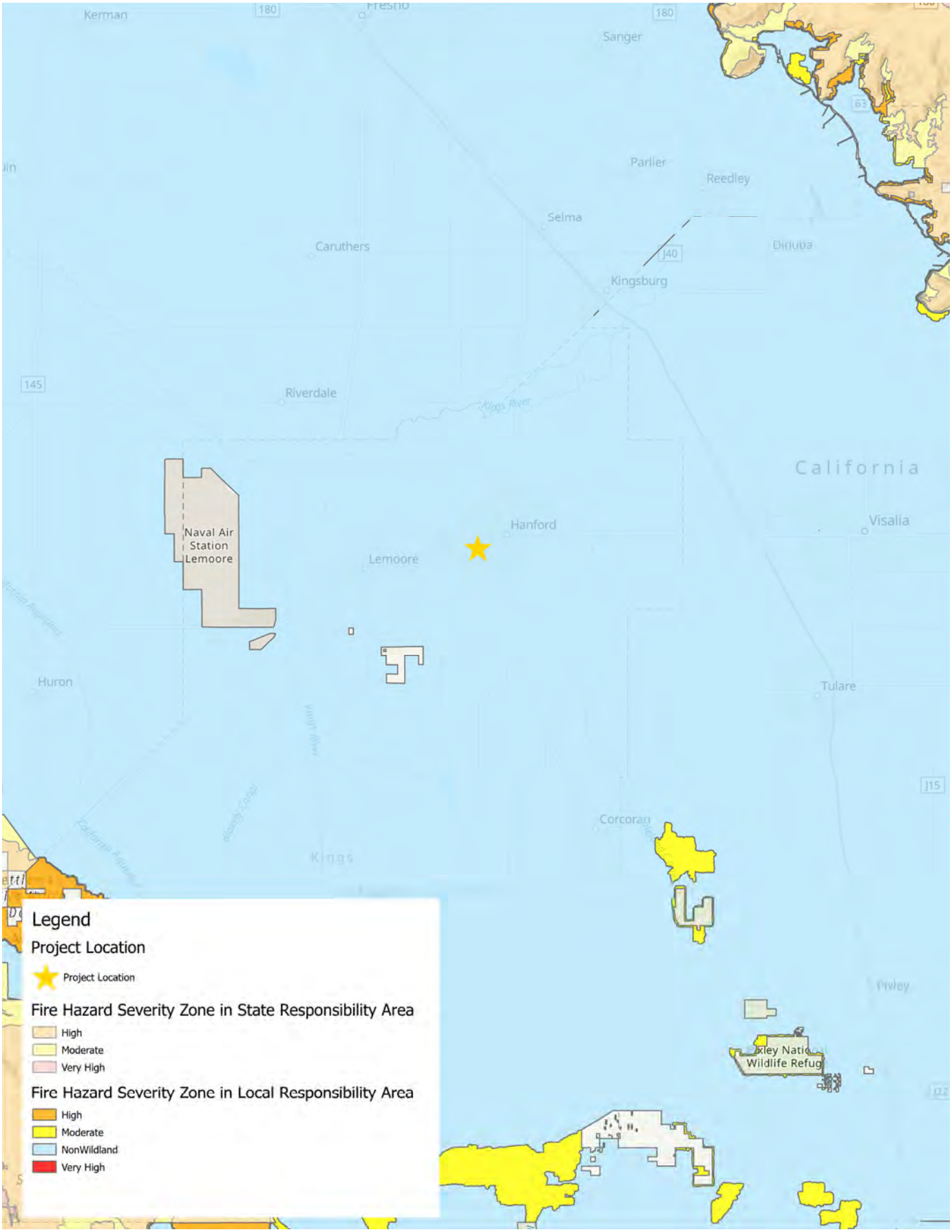
Source: Kimley-Horn, 2026

Figure 9: Preliminary Utility Plan

Maverik Hanford Project
City of Hanford

Not to scale

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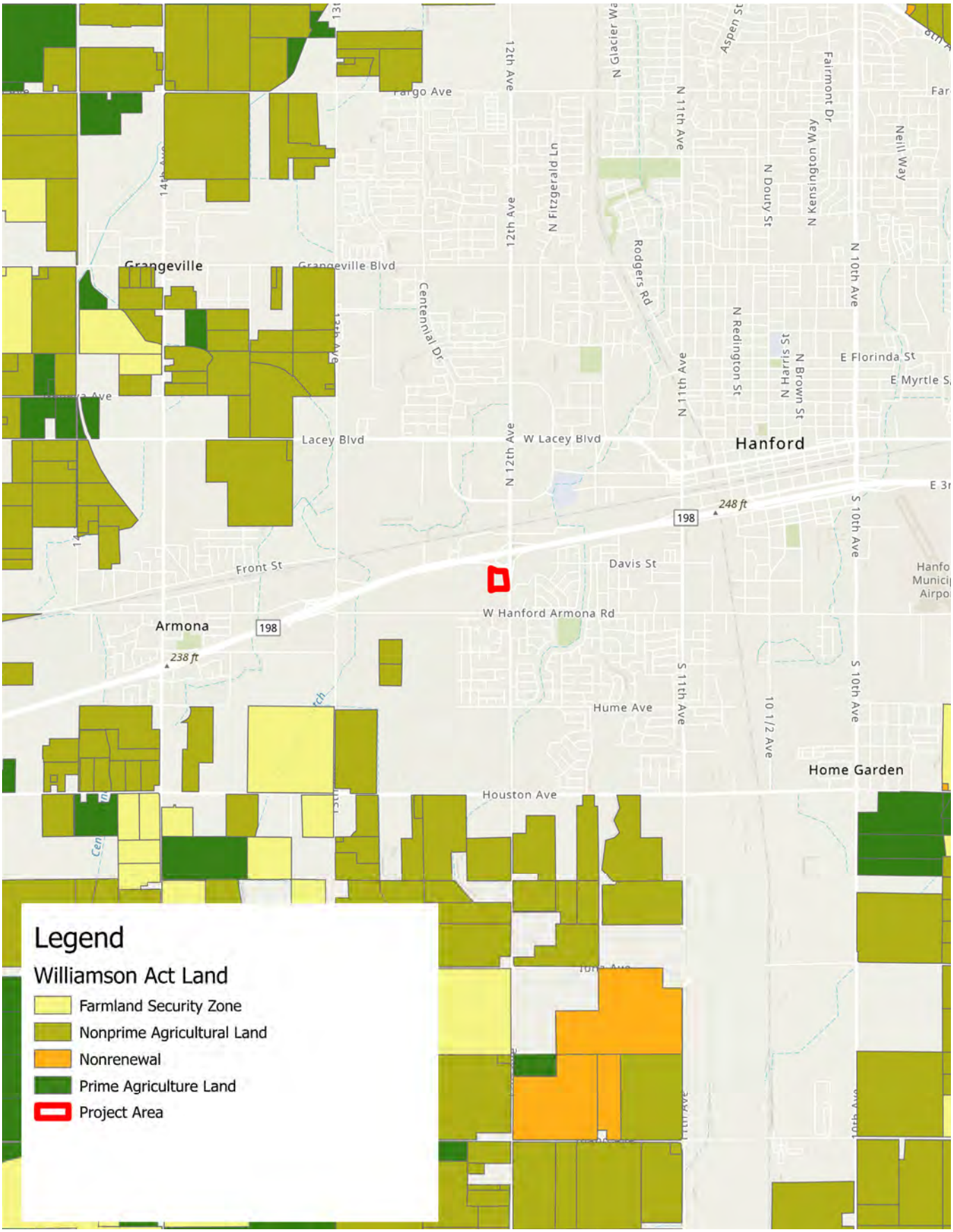
Source: CAL FIRE, 2025

Figure 10: Fire Hazard Severity Zone

Maverik Hanford Project
City of Hanford

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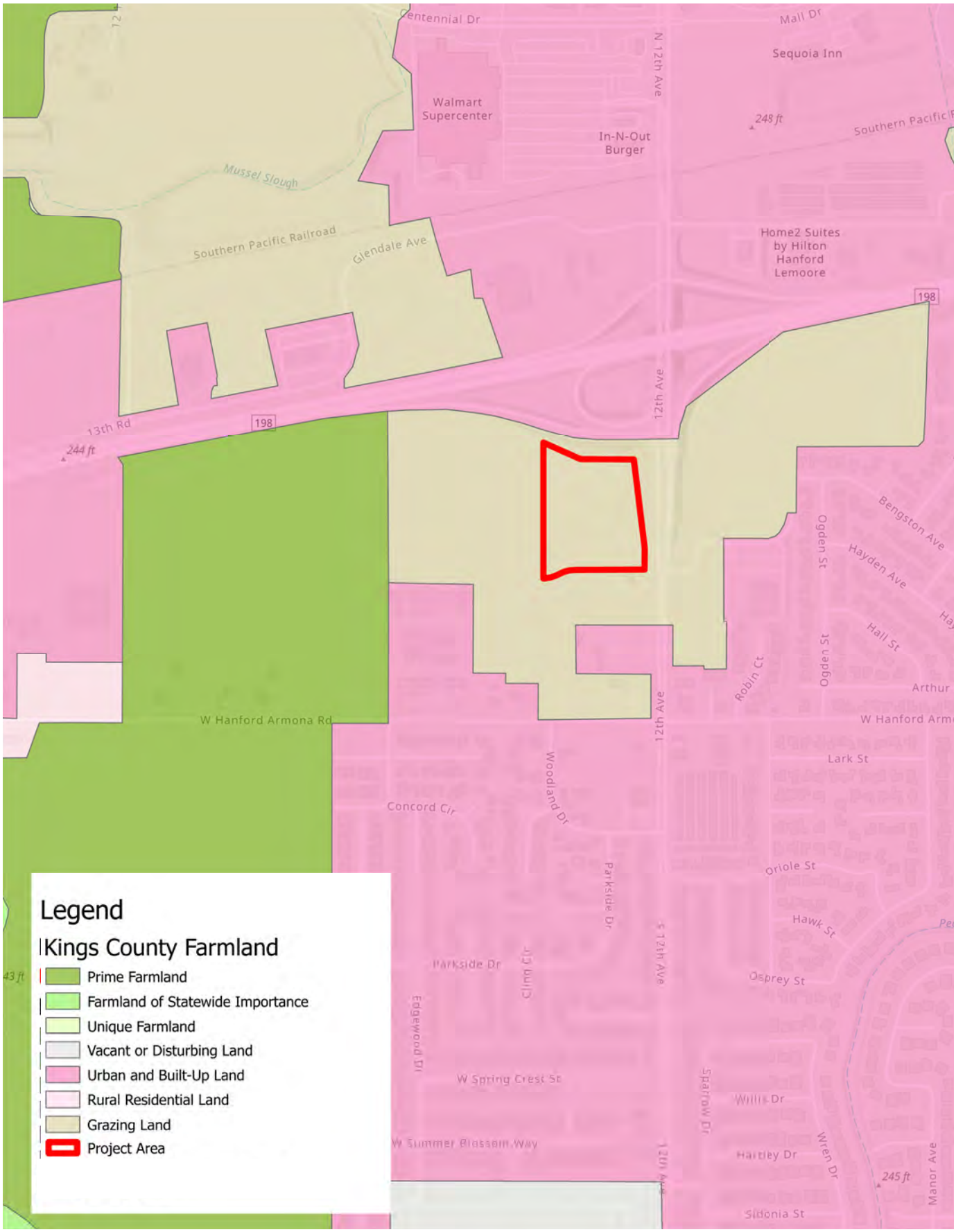
Source: DOC, 2024

Figure 11: Williamson Act Land

Maverik Hanford Project
City of Hanford

Not to scale

Kimley»Horn



Source: DOC, 2022

Figure 12: Project Area Farmland

Maverik Hanford Project
City of Hanford

Not to scale

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3.0 INITIAL STUDY CHECKLIST

NOTE: The following is a sample form that may be tailored to satisfy individual agencies' needs and project circumstances. It may be used to meet the requirements for an initial study when the criteria set forth in CEQA Guidelines have been met. Substantial evidence of potential impacts that are not listed on this form must also be considered. The sample questions in this form are intended to encourage thoughtful assessment of impacts, and do not necessarily represent thresholds of significance.

1. **Project title:**

   Maverik Hanford Project

2. **Lead agency name and address:**

   The City of Hanford
   City of Hanford Community Development Department
   Civic Center Building, 317 N Douty St
   Hanford, CA 93230

3. **Contact person and phone number:**

   Gabrielle Myers
   (559) 585-2578

4. **Project location:**

   10864 12th Avenue
   Hanford, California 93230

5. **Project sponsor's name and address:**

   Maverik
   Todd Meyers
   Sr. Site Development Manager
   1885 South State Street, Suite 800
   Salt Lake City, Utah 84111

6. **General plan designation:**

   Regional Commercial (C-R)

7. **Zoning:**

   Regional Commercial (C-R)

8. **Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)**

   The project is a proposed Maverik convenience store with fuel sales at the southwest corner of the Highway 198 off-ramp and 12th Avenue. The proposed project construction would take place in

two separate phases. Phase 1 includes a convenience store and fueling area positioned on approximately 6.10 acres of the entire 20.66-acre site. The store is approximately 5,637 square feet with twelve (12) fuel dispensers and canopy in front of the store. Phase 2 of construction, which may not occur, would include five (5) additional commercial fuel dispensers and canopy at the back of the store, for a total of 34 fueling positions on site in both phases. Site features are proposed to include an RV Dump and Air Station. The site General Plan Designation is Regional Commercial, and the site is zoned C-R Regional Commercial. Per the Municipal Code Chapter 17.08, section I8 "Convenience store, with or without fuel sales" is a "Permitted by Right Use" in C-R zoning per Table 17.08.030. Site access will be from a proposed private drive aisle along the site's southern border (across from W Hayden Ave), with three (3) access driveways to the proposed development.

9. Surrounding land uses and setting: Briefly describe the project's surroundings:

To the west of the project site, there are low and medium density residential areas and public uses. To the north are highway commercial, corridor mixed-use, and medium-density residential areas. To the south, the land includes low and medium density residential, commercial, open space, and educational facilities. To the east along 12th Avenue, there are highway and service commercial uses.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

City of Hanford

- Adoption of the Initial Study/Mitigated Negative Declaration
- Approval of Minor Use Permit, Site Plan/Design Review/Tentative Parcel Map
- Grading and Improvement Plans
- Building Permits

San Joaquin Valley Air Pollution Control District

- Authority to Construct/Permit to Operate

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Pursuant to Assembly Bill 52, the City of Hanford, as Lead Agency, is required to notify California Native American tribes that have requested notification of projects within the City's jurisdiction. The City contacted the Santa Rosa Rancheria Tachi Yokut Tribe to notify them of the project and inquire if a consultation would be requested. The Tribe did request a consultation which took place between the City and the Tribe. The tribe requested construction monitoring agreements be established with the applicant which the City has helped facilitate. AB 52 tribal communications

are maintained in the administrative record for the project and are available for public review upon request.

The Native American Heritage Commission (NAHC) conducted a search of Sacred Lands Files (SLF) for the Project area and vicinity at the request of the project applicant. The NAHC responded on September 24, 2024, and indicated that the results are negative for documented sacred lands in or near the Project area (Appendix D).

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

4.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact identified as "Less Than Significant With Mitigation Incorporated" as indicated by the checklist on the following pages. No environmental factors were identified to be "Potentially Significant."

☐ Aesthetics	☒ Greenhouse Gas Emissions	☐ Public Services
☐ Agricultural and Forestry Resources	☐ Hazards & Hazardous Materials	☐ Recreation
☐ Air Quality	☒ Hydrology/Water Quality	☐ Transportation
☒ Biological Resources	☐ Land Use/Planning	☒ Tribal Cultural Resources
☒ Cultural Resources	☐ Mineral Resources	☐ Utilities/Service Systems
☐ Energy	☐ Noise	☐ Wildfire
☒ Geology/Soils	☐ Population/Housing	☒ Mandatory Findings of Significance

DETERMINATION:

On the basis of this initial evaluation (check one):

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

CERTIFICATION:

Gabrielle Myers
Signature

10/20/2026
Date

5.0 ENVIRONMENTAL ANALYSIS

5.1 AESTHETICS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?			**X**	
b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?			**X**	
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			**X**	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			**X**	

a) Have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. The project site consists of the addition of a Maverik gas station and convenience store in an area that consists of land zoned for residential and commercial use. The proposed project is situated at the southwest corner of the Highway 198 off-ramp and 12th Avenue. The project site is located on a relatively flat area.

Under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the public. A vista is a view from a particular location or combination of locations; a scenic vista combines an aesthetically pleasing aspect, often natural, to the vista. While a scenic vista may be formally designated, they are often informal public views. An adverse effect to a scenic vista may result from a degradation of an existing vista or the loss of access to an existing viewpoint.

As outlined in the City of Hanford General Plan Background Report, the City of Hanford consists urban, agricultural, and grassland habitat areas with the flat valley floor to the west and the Sierra Nevada foothills to the east. Views from the edges of Hanford consist mostly agricultural land. Open vistas within the city are primarily located near the northern and eastern boundaries of the

City with grasslands, grazing land, and large farms defining the viewshed. Furthermore, the proposed project is located within an urban corridor that is characterized by residential and commercial uses surrounding the project site. The project would introduce new visual elements to the project site, but it does not include any features that would have the potential to affect any distant views due to the developed land in the vicinity. The changes to the visual environment would be consistent with existing uses in the immediate area to the project site. Thus, the project would not result in a substantial alteration to the visual environment and/or a scenic vista. Impacts would be less than significant, and mitigation is not required.

b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

Less than Significant Impact. The project site is located in a relatively flat area with Highway 198 to the north, commercial area to the north and southeast, and residential uses to the south and west. This area does not contain any aesthetically significant trees, rock outcroppings, or historical buildings. Additionally, the project site is not located near a scenic highway, the site is located approximately 15.1 miles east from a segment of Highway 198 extending to Sequoia National Park (DOT, 2018), and therefore would cause a less than significant impact to scenic resources.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact. The project site is located in an urbanized area, and the project would not conflict with the Regional Commercial (C-R) zoning designation it would fall within. According to the Municipal Code Chapter 17.18, a "Convenience store, with or without fuel sales" is a "Permitted by Right Use" in C-R zoning per Table 17.08.030.

The proposed uses include a convenience store and fueling area are all allowed under this zoning district and fit into the overall aesthetic landscape. The project would align with the General Plan's Commerce Goals and Policies to support "variety of opportunities for vibrant and successful commerce activities" and "actively pursue commercial enterprises that strengthen and solidify Hanford's position as the regional retail commercial hub of Kings County". The project site would include landscaping consistent and sidewalk requirements consistent with the General Plan Guidelines. The proposed project would also have adequate and attractive signage, including fuel price signage, to update the area and alert the public to the commercial uses at the project site, which would be subject to the City of Hanford's Municipal Code sign regulations governing maximum sign height, location, illumination, and visibility for commercial uses. The project would also comply with all additional federal, state, and local regulations governing scenic quality. Therefore, impacts are less than significant.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. Due to the nature of the project, operational hours are anticipated to be 24 hours per day/7 days per week/ 365 days per year. Excessive or inappropriately directed lighting can adversely impact nighttime views by reducing the ability to see the night sky and stars. Glare can be caused from unshielded or misdirected lighting sources. Reflective surfaces (i.e., polished metal) can also cause glare. Impacts associated with glare range from simple nuisances to potentially dangerous situations (i.e., if glare is directed into the eyes of motorists). Existing outdoor lighting at and near the project site is associated with commercial/retail, industrial, and street lighting typical of suburban areas. The proposed project would generate lighting from two primary sources: lighting from building interiors that would pass through windows, and lighting from exterior sources (e.g., street lighting, vehicles, security lighting, and landscape lighting). Lighting associated with the project would not be directed towards adjacent properties. All exterior lighting would incorporate physical design features and attachments, including fully shielded luminaires, recessed or canopy-mounted fixtures, cutoff lenses, and directional aiming, to ensure that light is projected downward and confined to on-site areas.

The City of Hanford's Municipal Code Section 17.50.140 Outdoor Lighting Standards outlines exterior lighting standards. The purpose of this section is as follows:

"to establish standards for the types, construction, installation and use of outdoor electrically powered illuminating devices and systems in order to conserve energy, preserve the natural environment, and provide nighttime safety and security, while not materially interfering with the use and enjoyment of property."

The proposed project would be consistent with these standards and would not provide substantial light or glare. Consistent with Municipal Code requirements, all outdoor lighting fixtures would be fully shielded, focused, and oriented to minimize light glare and prevent light from passing across property lines, including toward nearby residential uses. Lighting would be located, aimed, and shielded to minimize spill light across residential property boundaries and skyward, in accordance with the City's performance standards. When it comes to temporary lighting from construction, the City lists construction projects exempt from the provisions made in the section as long as they will not be used for more than one continuous 30-day period within one calendar year. The project would adhere to these standards. Further, the City would also review new lighting for conformance with the 2022 California Green Building Standards Code (CALGreen) (California Code of Regulations [CCR] Title 24 Part 11) which includes requirements for lighting efficiency, controls, and reduction of unnecessary illumination, such that only the minimum amount of lighting is used, and no light spillage occurs. The Project would adhere to the City's Municipal Code, California's Green Buildings Standards Code, and all additional federal, state, or local regulations. Therefore, resulting in a less than significant impact concerning a new source of substantial light or glare.

Cumulative Impacts

The potential aesthetic impacts related to views, aesthetics, and light and glare are site-specific. As discussed above, project-related impacts to scenic vistas would be less than significant, and the proposed project would not result in any impacts to on-site visual resources because the project would retain and enhance the visual characteristic of the site. In addition, the proposed project would also be consistent and comply with the City's land use, scenic quality and development regulations contained in the City's Municipal Code and General Plan. Lighting and sources of glare, while not always site-specific, would be consistent with the majority of the surrounding urban area and would be used during similar hours as surrounding uses. Therefore, while the proposed project in conjunction with past, present, and reasonably foreseeable development would change the appearance of the site, all development projects follow applicable local planning and design guidelines regarding roadway design including materials, coloration, and landscaping as specified in the City's Municipal Code regarding lighting standards and limitations. Therefore, aesthetic impacts are not expected to be cumulatively considerable, and impacts would be less than significant.

5.2 AGRICULTURE AND FORESTRY RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
AGRICULTURE AND FORESTRY RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?			**X**	
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?			**X**	
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?			**X**	
d) Result in the loss of forest land or conversion of forest land to non-forest use?			**X**	
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?			**X**	

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Less Than Significant Impact. Based on the California Department of Conservation Important Farmland Monitoring and Mapping Program (FMMP), the project site is located on Grazing Land (DLRP, 2022). Grazing Land is defined as land on which the existing vegetation is suited to the grazing of livestock. This category is used only in California and was developed in cooperation with the California Cattlemen's Association, University of California Cooperative Extension, and other

groups interested in the extent of grazing activities. Implementation of the proposed project would convert the Grazing Land to non-agricultural use. However, the City of Hanford General Plan has already designated this land as Regional Commercial (C-R). Therefore, the conversion of land uses was already planned and accounted for by the City. The project is not located within Prime Farmland, Unique Farmland, Farmland of Statewide Importance, or Urban and Built-up land. See ***Figure 12: Project Area Farmland*** showing the land classification for the project vicinity, which identifies the project site as Grazing Land. The project is adjacent to Prime Farmland and Urban and Built-up Land, but none of these areas would be affected. Therefore, the project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. Overall, the proposed project would have no impact in this regard, and mitigation is not required.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

Less Than Significant Impact. Refer to a) The project site is not under a Williamson Act contract and the nearest land under contract is approximately 0.7 miles southwest of the project site. (DLRP, 2024) The project site is zoned as Regional Commercial (C-R), as stated in the City of Hanford General Plan. The proposed project would conform with the proposed general commercial zoning. Therefore, the proposed project would have a less than significant impact on zoning for agricultural use or a Williamson Act Contract. Refer to ***Figure 11: Williamson Act Land***

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

Less Than Significant Impact. The project is not zoned as forest land, timberland, or timberland production and no land in the project vicinity is. Therefore, the project would not conflict or cause rezoning of any forest land (as defined in Public Resource Code section 12220(g)) timberland (as defined by Public Resources Code section 4526), or zoned Timberland Production (as defined by Government Code section 51104(g)). Therefore, impacts related to the loss of this agricultural resource are less than significant.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

Less Than Significant Impact. Refer to c). Based on the Biological Resources Assessment done by Rincon Consultants, Inc. on February 12, 2025, the Study Area consists of recently disked fallowed agricultural land with minimal vegetation and no sensitive natural communities. Additionally, the land is not cultivated for forest resources, meaning there would be no loss of forest land or conversion of forest land to non-forest use and impacts related to this would be less than significant.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

Less Than Significant Impact. Refer to a) and c). The proposed project includes subdivision of the existing 20.66-acre parcel into two parcels, consisting of a 6.10-acre parcel developed with a convenience store and fueling station and a 14.56-acre parcel that would remain undeveloped. No uses or improvements are proposed on the 14.56-acre parcel at this time, and approval of the subdivision would be limited to a Tentative Parcel Map. Because the majority of the site would remain undeveloped and no agricultural conversion or development activities are proposed on the 14.56-acre parcel, the project would not introduce land use changes or operational activities that could indirectly affect adjacent Prime Farmland. Therefore, impacts related to changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use are less than significant.

Cumulative Impact

The proposed project would have less than significant impacts on agricultural resources with no mitigation required. The proposed project would be consistent with the General Commercial designation in the City of Hanford General Plan. The proposed project would have no impact on forestry resources since the surrounding uses are currently used for commercial, residential, and public use. Therefore, the project would have a less than significant impact on agriculture.

5.3 AIR QUALITY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			**X**	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			**X**	
c) Expose sensitive receptors to substantial pollutant concentrations?			**X**	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?)			**X**	

REGULATORY SETTING

Federal

Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the United States Environmental Protection Agency (U.S. EPA) developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter less than or equal to 10 microns in diameter (PM_{10}), particulate matter less than or equal to 2.5 microns in diameter ($PM_{2.5}$), and lead. Depending on whether the standards are met or exceeded, the local air basin is classified as in "attainment" or "nonattainment." Some areas are unclassified, which means no monitoring data are available. Unclassified areas are considered to be in attainment. Proposed projects in or near non-attainment areas could be subject to more stringent air-permitting requirements. The FCAA requires that each state prepare a State Implementation Plan (SIP) to demonstrate how it will attain the NAAQS within federally imposed deadlines. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

The U.S. Environmental Protection Agency (EPA) has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in Table 5.3-1: State and Federal Ambient Air Quality Standards.

California Air Resources Board

The California Air Resources Board (CARB) administers California's air quality policy. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in Table 5.3-1, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates. In general, the San Joaquin Valley Air Pollution Control District (SJVAPCD) experiences low concentrations of most pollutants when compared to federal standards, except for O_3, $PM_{2.5}$, and PM_{10}, for which standards are exceeded periodically. SJVAPCD has a State designation Attainment or Unclassified for all criteria pollutants except for ozone, PM10, and PM2.5. Kings County has a national designation of either "Unclassified" or "Attainment" for all criteria pollutants except for ozone, PM2.5, and PM_{10}.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the SIP for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a State standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in Table 5.3-1.

Table 5.3- 1: State and Federal Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards[1]		Federal Standards[2]	
		Concentration[3]	Attainment Status	Concentration[3]	Attainment Status
Ozone[4] (O_3)	8 Hour	0.070 ppm (137 µg/m^3)	N	0.070 ppm	N/Extreme[12]
	1 Hour	0.09 ppm (180 µg/m^3)	N/Severe	NA[6]	Revoked[11]
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	A/U	9 ppm (10 mg/m^3)	A/U
	1 Hour	20 ppm (23 mg/m^3)	A	35 ppm (40 mg/m^3)	A
Nitrogen Dioxide[6] (NO_2)	1 Hour	0.18 ppm (339 µg/m^3)	A	0.100 ppm	A/U
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	A	0.053 ppm (100 µg/m^3)	A/U
Sulfur Dioxide[7] (SO_2)	24 Hour	0.04 ppm (105 µg/m^3)	A	NA	A/U
	1 Hour	0.25 ppm	A	0.075 ppm	A/U

Pollutant	Averaging Time	State Standards[1]		Federal Standards[2]	
		Concentration[3]	Attainment Status	Concentration[3]	Attainment Status
		(655 µg/m^3)		(196 µg/m^3)	
	3 Hour	NA	A	0.5 ppm (80 µg/m^3)	A/U
Particulate Matter (PM_{10})[5]	24-Hour	50 µg/m^3	N	150 µg/m^3	A[13]
	Annual Arithmetic Mean	20 µg/m^3	N	NA	A[13]
Fine Particulate Matter ($PM_{2.5}$)	24-Hour	NA	N	35 µg/m^3	N[14]
	Annual Arithmetic Mean	12 µg/m^3	N	9 µg/m^3	N[14]
Sulfates (SO_{4-2})	24 Hour	25 µg/m^3	A	NA	-
Lead[8,9] (Pb)	30-Day Average	1.5 µg/m^3	-	NA	No Designation /Classification
	Calendar Quarter	NA	-	1.5 µg/m^3	No Designation /Classification
	Rolling 3-Month Average	NA	-	0.15 µg/m^3	No Designation /Classification
Hydrogen Sulfide (H_2S)	1 Hour	0.03 ppm (42 µg/m^3)	U	NA	-
Vinyl Chloride (C_2H_3Cl)	24 Hour	0.01 ppm (26 µg/m^3)	A	NA	-
Visibility Reducing Particles[10]	8 Hour (10:00 to 18:00 PST)	-	U	-	-

A = attainment; N = nonattainment; U = unclassified; N/A = not applicable or no applicable standard; ppm = parts per million; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligrams per cubic meter; – = not indicated or no information available.

1. California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e., all standards except for lead and the PM_{10} annual standard), then some measurements may be excluded. In particular, measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe CO standard is 6.0 ppm, a level one-half the national standard and two-thirds the state standard.
2. National standards shown are the "primary standards" designed to protect public health. National standards other than for ozone, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour ozone standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm (70 ppb) or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m$_3$. The 24-hour $PM_{2.5}$ standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m^3. Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM_{10} is met if the 3-year average falls below the standard at every site. The annual $PM_{2.5}$ standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

Pollutant	Averaging Time	State Standards[1]		Federal Standards[2]	
		Concentration[3]	Attainment Status	Concentration[3]	Attainment Status

4. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
5. On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 µg/m3 to 9.0 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3 , as was the annual secondary standard of 15.0 µg/m3 . The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
6. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
7. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
8. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
9. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
10. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.
11. Effective June 15, 2005, the U.S. Environmental Protection Agency (EPA) revoked the federal 1-hour ozone standard, including associated designations and classifications. EPA had previously classified the District as extreme nonattainment for this standard. EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). The District Governing Board adopted the *2023 Maintenance Plan and Redesignation Request* and submitted to EPA in June of 2023. Although the standard is revoked, anti-backsliding provisions can be terminated upon final approval of the Maintenance Plan from EPA.
12. Though the Valley was initially classified as serious nonattainment for the 1997 8-hour ozone standard, EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).
13. On September 25, 2008, EPA redesignated the San Joaquin Valley to attainment for the PM10 National Ambient Air Quality Standard (NAAQS) and approved the *2007 PM10 Maintenance Plan*.
14. The Valley is designated nonattainment for the 1997 PM2.5 NAAQS. EPA designated the Valley as nonattainment for the 2006 PM2.5 NAAQS on November 13, 2009 (effective December 14, 2009).

Source: California Air Resources Board, Ambient Air Quality Standards, July 2024. Available at https://ww2.arb.ca.gov/sites/default/files/2024-08/AAQS%20Table_ADA_FINAL_07222024.pdf. Accessed July 2025. San Joaquin Valley Air Pollution Control District, Ambient Air Quality Standards & Attainment Status, available at https://ww2.valleyair.org/air-quality-information/ambient-air-quality-standards-valley-attainmnet-status/. Accessed July 2025.

Regional

San Joaquin Valley Air Pollution Control District (SJVAPCD)

The proposed project lies within the southwestern portion of the San Joaquin Valley Air Basin (SJVAB). SJVAPCD has jurisdiction over most air quality matters in the SJVAB and is tasked with implementing programs and regulations required by the CCAA and FCAA. If a project is found to interfere with the region's ability to comply with federal and State air quality standards, local governments then need to consider project modifications or provide mitigation measures to eliminate the inconsistency of the project plans. In order for a project to be considered "consistent" with the latest Air Quality Plan (AQP), the project must be consistent with the goals, objectives, and assumptions in the respective plan to achieve CAAQS and

NAAQS. Additionally, both construction-related and long-term emissions are required to be quantified and compared to the SJVAPCD significance thresholds.

Clean Air Plan

Air quality plans developed to meet federal requirements are referred to as State Implementation Plans. The FCAA requires plans to be developed for areas designated as nonattainment. The SJVAPCD is responsible for developing a Clean Air Plan, which guides the region's air quality planning efforts to attain the CAAQS. The SJVAPCD adopted the 2022 Plan for the 2015 8-Hour Ozone Standard (2022 Ozone Plan) and 2024 Plan for the 2012 Annual $PM_{2.5}$ Standards (2024 $PM_{2.5}$ Plan).

SJVAPCD periodically develops air quality plans that outline the regional strategy to improve air quality and protect the climate. The most recent plans, 2024 $PM_{2.5}$ Plan and 2022 Ozone Plan, include a wide range of control measures designed to reduce emissions of air pollutants.

Under federal and state law, SJVAPCD is under a legal obligation to enforce air pollution regulations. These regulations are primarily meant to ensure that the surrounding (or ambient) air meets federal and state air quality standards. The following is a list of SJVAPCD rules that are required of construction and operational activities associated with the project:

- **Rule 4101 (Visible Emissions)** – This rule prohibits the emissions of visible air contaminants to the atmosphere.
- **Rule 4102 (Nuisance)** – The purpose of this rule is to protect the health and safety of the public and applies to any source operation that emits or may emit air contaminants or other materials. This rule is enforced on a complaint basis.
- **Rule 4601 (Architectural Coatings)** – The purpose of this rule is to limit Volatile Organic Compounds (VOC) emissions from architectural coatings. Emissions are reduced by limits on VOC content and providing requirements on coatings storage, cleanup, and labeling. Only compliant components are available for purchase in the San Joaquin Valley.
- **Rule 4621 (Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants)** – The purpose of this rule is limit VOC emissions from stationary storage containers, delivery vessels, and bulk plants and to provide the administrative requirements for determining compliance with this rule.
- **Rule 4622 (Gasoline Transfer into Motor Vehicle Fuel Tanks)** – The purpose of this rule is to limit emissions of gasoline vapors from the transfer of gasoline into motor vehicle fuel tanks.
- **Rule 4623 (Storage of Organic Liquids)** – The purpose of this rule is to limit VOC emissions from the storage of organic liquids.
- **Rule 4624 (Transfer of Organic Liquid)** – The purpose of this rule is to limit VOC emissions from the transfer of organic liquids.
- **Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations)** – The purpose of this rule is to limit VOC emissions from asphalt paving and maintenance

operations. If asphalt paving will be used, then the paving operations will be subject to Rule 4641. This regulation is enforced on the asphalt provider.

- **Rule 4692 (Commercial Charbroiling)** – The purpose of this rule is to limit VOC and PM_{10} emissions from commercial charbroiling. This rule applies to charbroilers used to cook meat at commercial cooking operations.
- **Rule 9510 (Indirect Source Review)** – This rule reduces the impact of NO_X and PM_{10} emissions from growth within the Air Basin. The rule places application and emission reduction requirements on development projects meeting applicability criteria in order to reduce emissions through on-site mitigation, off-site District-administered projects, or a combination of the two.
- **Regulation VIII (Fugitive Dust PM_{10} Prohibitions)** – Rules 8011–8081 are designed to reduce PM_{10} emissions (predominantly dust/dirt) generated by human activity, including construction and demolition activities, road construction, bulk materials storage, paved and unpaved roads, carryout and trackout, etc. All development projects that involve soil disturbance are subject to at least one provision of the Regulation VIII series of rules.

Local

City of Hanford Municipal Code

Section 17.50.040 of the Hanford Municipal Code describes general performance standards to ensure public health, safety, and welfare for land uses, including the following:

- No use shall cause the emission of any smoke, ash, dust, fumes, vapors, gases or other forms of air pollution that can cause damage to human health, vegetation, or other forms of air pollution that can cause excessive soiling on any other parcel. No emission shall be permitted that exceeds the requirements of the San Joaquin Valley Air Pollution Control District or the requirements of any air quality plan adopted by the City of Hanford.

City of Hanford General Plan

The Hanford General Plan includes the following relevant guiding policies intended to control or reduce air pollution impact which are applicable to the project:

OBJECTIVE AQ 1: Effectively coordinate City air quality improvement activities with regional programs and those of neighboring jurisdictions.

Policy AQ 1.1: Coordinate City efforts and work with neighboring jurisdictions and affected agencies to minimize cross-jurisdictional and regional transportation and air quality issues.

Policy AQ 1.2: Consult with the San Joaquin Valley Air Pollution Control Agency and Kings County Association of Governments during CEQA review of discretionary projects having the potential for causing adverse air quality, transportation, and climate change impacts.

OBJECTIVE AQ 3: Integrate the City's land use, transportation, and air quality planning efforts to make the most efficient and effective use of public resources and create a healthier and more livable environment.

Policy AQ 3.1: Through project review, evaluation, and conditions of approval, minimize air quality and potential greenhouse gas impacts when planning the location and design of land uses and transportation systems needed to accommodate expected City population growth. Integrate decisions on land use and development locations with the San Joaquin Valley Blueprint.

Policy AQ 3.3: Consult with Kings County Association of Governments and transit providers during the planning stages of land use and transportation projects to assess project impacts on long-range transit plans and ensure that potential impacts are avoided.

Policy AQ 3.4: During project review, approval, and implementation, work with Caltrans, San Joaquin Valley Air Pollution Control District, and Kings County Association of Governments to minimize the air quality, mobility, and social impacts of large-scale transportation projects on existing communities and planned sensitive land uses.

OBJECTIVE AQ 4: Accurately assess and mitigate potentially significant local and regional air quality and climate change impacts from proposed projects within the City. Where possible and financially feasible, retrofit existing uses and activities to reduce emissions and climate change impacts.

Policy AQ 4.1: Assess and mitigate project air quality impacts using analysis methods and significance thresholds recommended by the San Joaquin Valley Air Pollution Control District.

Policy AQ 4.2: Assess and mitigate project greenhouse gas/climate change impacts using analysis methods and significance thresholds as defined or recommended by the San Joaquin Valley Air Pollution Control District.

Policy AQ 4.3: Ensure that air quality and climate change impacts identified during California Environmental Quality Act review are minimized and consistently and fairly mitigated to the greatest extent feasible.

Program AQ 4.1: The City will advise consultants to use San Joaquin Valley Air Pollution Control District Guidelines for preparing air and climate change assessments and will refer California Environmental Quality Act documents to the San Joaquin Valley Air Pollution Control District for review and comment on potential air quality and greenhouse gas impacts and for recommendations regarding air quality mitigation measures and greenhouse gas Best Performance Standards.

Policy AQ 4.4: Identify and maintain an ongoing inventory of the cumulative transportation, air quality, and climate change impacts of all general plan amendments approved during each year.

Policy AQ 4.5: Encourage and support the development of innovative and effective mitigation measures and programs to reduce air quality and climate change impacts through proactive coordination with the San Joaquin Valley Air Pollution Control District project applicants, and other knowledgeable and interested parties.

OBJECTIVE AQ 8: Locate adequate sites for industrial development and roadway projects away from existing and planned sensitive land uses to minimize or avoid potential health risks to people that might result from hazardous air pollutant emissions.

Policy AQ 8.2: Locate new air pollution point sources such as, but not limited to, industrial, manufacturing, and processing facilities an adequate distance from residential areas and other sensitive receptors.

ENVIRONMENTAL SETTING

Climate and Topography

The project site is located in the central portion of the SJVAB, which is bound by the Sierra Nevada Mountains to the east, the Coast Range in the west, and the Tehachapi mountains in the south. The regional climate in the SJVAB is temperate and is characterized by hot dry summers and cool, mild winters, infrequent seasonal rainfall, and up valley winds. Air quality in the SJVAB is primarily influenced by meteorology and a wide range of emission sources, such as dense population centers, substantial vehicular traffic, and industry.

Air pollutant emissions in the SJVAB are generated primarily by stationary and mobile sources. Stationary sources can be divided into two major subcategories: point and area sources. Point sources occur at a specific location and are often identified by an exhaust vent or stack. Examples include boilers or combustion equipment that produce electricity or generate heat. Area sources are widely distributed and include such sources as residential and commercial water heaters, painting operations, lawn mowers, agricultural fields, landfills, and some consumer products. Mobile sources refer to emissions from motor vehicles, including tailpipe and evaporative emissions, and are classified as either on-road or off-road. On-road sources may be legally operated on roadways and highways. Off-road sources include aircraft, ships, trains, and self-propelled construction equipment. Air pollutants can also be generated by the natural environment, such as when high winds suspend fine dust particles.

Air Pollutants of Concern

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by State and federal laws. These regulated air pollutants are known as “criteria air pollutants” and are categorized into primary and secondary pollutants. Primary air pollutants are emitted directly from sources. Carbon monoxide (CO), reactive organic gases (ROG), nitrogen oxide (NO_X), sulfur dioxide (SO_2), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead are primary air pollutants; of these, CO, NO_X, SO_2, PM_{10}, and $PM_{2.5}$ are criteria pollutants. ROG and NO_X are criteria pollutant precursors and form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. For example, O_3 is formed by a chemical reaction between ROG and NO_X in the presence of sunlight; O_3 and NO_2 are the principal secondary pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in *Table 5.3-2*: *Air Contaminants and Associated Public Health Concerns*.

Table 5.3-2: Air Contaminants and Associated Public Health Concerns

Pollutant[1]	Major Man-Made Sources	Human Health Effects
Particulate Matter (PM_{10} and $PM_{2.5}$)	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others.	Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; asthma; chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility.

Pollutant[1]	Major Man-Made Sources	Human Health Effects
Ozone (O_3)	Formed by a chemical reaction between reactive organic gases/volatile organic compounds (ROG or VOC)[1] and nitrogen oxides (NO_X) in the presence of sunlight. Motor vehicles exhaust industrial emissions, gasoline storage and transport, solvents, paints and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield.
Sulfur Dioxide (SO_2)	A colorless gas formed when fuel containing sulfur is burned and when gasoline is extracted from oil. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant. Aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO_2)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include motor vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to O_3. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead (Pb)	Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Due to the phase out of leaded gasoline, metals processing is the major source of lead emissions to the air today. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufacturers.	Exposure to lead occurs mainly through inhalation of air and ingestion of lead in food, water, soil, or dust. It accumulates in the blood, bones, and soft tissues and can adversely affect the kidneys, liver, nervous system, and other organs. Excessive exposure to lead may cause neurological impairments such as seizures, mental retardation, and behavioral disorders. Even at low doses, lead exposure is associated with damage to the nervous systems of fetuses and young children, resulting in learning deficits and lowered IQ.

Note:
1. Volatile Organic Compounds (VOCs or Reactive Organic Gases [ROG]) are hydrocarbons/organic gases that are formed solely of hydrogen and carbon. There are several subsets of organic gases including ROGs and VOCs. Both ROGs and VOCs are emitted from the incomplete combustion of hydrocarbons or other carbon-based fuels. The major sources of hydrocarbons are combustion engine exhaust, oil refineries, and oil-fueled power plants; other common sources are petroleum fuels, solvents, dry cleaning solutions, and paint (via evaporation).

Source: Source: California Air Resources Board, *Common Air Pollutants*, https://ww2.arb.ca.gov/resources/common-air-pollutants, accessed July 2025.

Toxic Air Contaminants

Toxic air contaminants (TACs) are airborne substances that can cause short-term (acute) or long-term (i.e., chronic, carcinogenic or cancer causing) adverse human health effects (i.e., injury or illness). TACs include

both organic and inorganic chemical substances. They may be emitted from a variety of common sources including gasoline stations, automobiles, dry cleaners, industrial operations, and painting operations. The current California list of TACs includes more than 200 compounds, including particulate emissions from diesel-fueled engines.

CARB identified DPM as a TAC (CARB, 1998). DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Ambient Air Quality

CARB monitors ambient air quality at approximately 250 air monitoring stations across the State. These stations usually measure pollutant concentrations ten feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. Existing levels of ambient air quality, historical trends, and projections near the project site are documented by measurements made by the SJVAPCD, the air pollution regulatory agency in the SJVAB that maintains air quality monitoring stations which process ambient air quality measurements.

Pollutants of concern in the SJVAB include O_3, PM_{10}, and $PM_{2.5}$. The closest air monitoring stations to the project that monitors ambient concentrations of these pollutants are the Handford-S Irwin Street Station (located approximately 1.52 miles to the east) and the Fresno – Foundry Park Station (located approximately 27.46 miles to the north). Local air quality data from 2021 to 2023 are provided in *Table 5.3-3*: *Ambient Air Quality Data*, which lists the monitored maximum concentrations and number of exceedances of State or federal air quality standards for each year.

Table 5.3-3: Ambient Air Quality Data

Criteria Pollutant	2021	2022	2023
Ozone (O_3)[1]			
1-hour Maximum Concentration (ppm)	0.102	0.091	0.091
8-hour Maximum Concentration (ppm)	0.096	0.082	0.084
Number of Days Standard Exceeded			
CAAQS 1-hour (>0.09 ppm)	18	13	14
NAAQS 8-hour (>0.070 ppm)	16	12	11

Criteria Pollutant	2021	2022	2023
Carbon Monoxide (CO)			
1-hour Maximum Concentration (ppm)	2.61	3.49	1.66
Number of Days Standard Exceeded			
NAAQS 1-hour (>35 ppm)	—	—	—
CAAQS 1-hour (>20 ppm)	—	—	—
Nitrogen Dioxide (NO_2)[2]			
1-hour Maximum Concentration (ppm)	51.5	45.8	55.2
Number of Days Standard Exceeded			
NAAQS 1-hour (>0.100 ppm)	0	0	0
CAAQS 1-hour (>0.18 ppm)	0	0	0
Particulate Matter Less Than 10 Microns (PM_{10})[1]			
National 24-hour Maximum Concentration	175	250.8	157.3
State 24-hour Maximum Concentration	192.7	251.6	159.3
State Annual Average Concentration (CAAQS=20 µg/m3)	52.8	49.9	44.2
Number of Days Standard Exceeded			
NAAQS 24-hour (>150 µg/m^3)	—	—	—
CAAQS 24-hour (>50 µg/m^3)	—	—	—
Particulate Matter Less Than 2.5 Microns ($PM_{2.5}$)[2]			
National 24-hour Maximum Concentration	81.0	62.9	54.4
State 24-hour Maximum Concentration	81.0	62.9	54.4
Number of Days Standard Exceeded			
NAAQS 24-hour (>35 µg/m^3)	—	—	—
NAAQS = National Ambient Air Quality Standards; CAAQS = California Ambient Air Quality Standards; ppm = parts per million. µg/m3 = micrograms per cubic meter; – = not measured			
Notes: Measurements taken at the Hanford-S Irwin Street at 807 South Irwin Street, Hanford, CA 93230 (CARB# 16716) and the Fresno – Foundry Park at 2482 Foundry Park Avenue, Fresno, CA 93706 (CARB# 10252).			
Source: All pollutant measurements are from the CARB Aerometric Data Analysis and Management system database (https://www.arb.ca.gov/adam) except for CO, which were retrieved from the CARB Air Quality and Meteorological Information System (https://www.arb.ca.gov/aqmis2/aqdselect.php).			

Sensitive Receptors

Sensitive populations are more susceptible to the effects of air pollution than the general population. Sensitive receptors that are in proximity to localized sources of toxics are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The nearest sensitive receptor to the project site is a daycare center approximately 193 feet to the south. Sensitive land uses nearest to the project site are shown in *Table 5.3-4*: *Sensitive Receptors*.

Table 5.3-4: Sensitive Receptors

Receptor Description	Distance and Direction from the Project Site
Child Daycare Center	193 feet to the south
Single-family Residential	742 feet to the south
Single-family Residential	479 feet to the south
Single-family Residential	748 feet to the east
Koinonia Church	2,110 feet to the west
Single-family Residential	464 feet to the southeast
Centennial Park	1,711 feet to the southeast
Multi-family Residential	390 feet to the southwest
Hotel	1,091 feet to the northeast
Hotel	2,009 feet to the northeast
Health Center	2,140 feet to the northeast
Hotel	1,430 feet to the northwest
Source: Google Earth, 2025.	

Thresholds

SJVAPCD has identified regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SJVAB. The City has adopted these thresholds for project assessment and mitigation, per General Plan Policy AQ 4.1. *Table 5.3-5: SJVAPCD Criteria Pollutant Thresholds of Significance* lists SJVAPCD's regional significance thresholds.

Table 5.3-5: SJVAPCD Criteria Pollutant Thresholds of Significance

Criteria Air Pollutants and Precursors (Regional)	Construction-Related	Operational-Related
	Average Annual Emissions (tons/year)	Annual Average Emission (tons/year)
Reactive Organic Gases (ROG)	10	10
Nitrogen Oxides (NO_X)	10	10
Carbon Monoxide (CO)	100	100
Sulfur Oxides (SO_X)	27	27
Coarse Particulates (PM_{10})	15	15
Fine Particulates ($PM_{2.5}$)	15	15
Source: SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 19, 2015.		

In addition to the thresholds cited above, the SJVAPCD has thresholds applicable to CO emissions that require projects to perform localized CO modeling. These preliminary thresholds include the following:

- A traffic study for the project indicates that the Level of Service (LOS) on one or more streets or at one or more intersections in the project vicinity will be reduced to LOS E or F; or
- A traffic study indicates that the project will substantially worsen an already existing LOS F on one or more streets or at more or more intersections in the project vicinity.

With respect to cumulative air quality impacts, the SJVAPCD's *Guide of Assessing and Mitigating Air Quality Impacts* (GAMAQI)[1] provides that any project that would individually have a significant air quality impact (i.e. exceed criteria pollutant significance thresholds) would also be considered to have significant cumulative impacts.

Projects that would potentially generate objectionable odorous emissions that would be located near existing sensitive receptors or other land uses where people may congregate could constitute a significant air quality impact to existing uses. The SJVAPCD uses a threshold based on the distance of the odor source from people and complaint records for a facility or similar facility. The threshold would be more than one confirmed complaint per year averaged over a three-year period, or three unconfirmed complaints per year averaged over a three-year period.

Health Risk Analysis Thresholds

Consistent with the California Air Pollution Control Officers Association's *Guidance on Assessing and Mitigating Air Quality Impacts* (GAMAQI), a screening-level evaluation of potential health risks was performed for the Project. In accordance with GAMAQI Section 6.5 (Potential Land Use Conflicts and Exposure of Sensitive Receptors), the evaluation examined the types and levels of toxic air contaminants (TACs) that could be generated by the Project and the potential exposure of nearby sensitive receptors. Based on the Project's classification as a Type A project under GAMAQI, this screening-level analysis is considered sufficient to assess potential health risk impacts and to determine whether a refined health risk assessment (HRA) would be warranted.

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the Lead Agency's purview pursuant to the State CEQA Guidelines, the SJVAPCD recommends that lead agencies use the following air pollution thresholds in determining whether a project's impacts are significant. If the lead agency finds that the project has the potential to exceed the air pollution thresholds, a project's impacts should be considered significant. The TAC emissions thresholds are as follows.

- **Cancer Risk (Individual):** Emit contaminants that result in a maximum individual incremental cancer risk equal to or greater than 20 in one million.
- **Non-Cancer Risk:** Emit contaminants that result in a chronic or acute hazard index equal to or greater than 1.0 (project increment).

Cancer risk is expressed in terms of expected incremental incidence per million population. The SJVAPCD has established an incidence rate of 20 persons per million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold is an upper-bound incremental probability to determine whether or not a given project has a potentially significant development-specific and cumulative impact and to ensure an individual new source does not contribute a cumulatively significant impact. The 10 in one million standard is a health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, out of one million equally exposed persons, would contract cancer if exposed continuously (24 hours per day) to the TAC levels over a specified duration of time. This risk

[1] San Joaquin Valley Air Pollution Control District, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 19, 2015.

would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these TACs.

The SJVAPCD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0 means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

For purposes of impact analysis, all calculations assumed the full development of both Phase 1 and Phase 2, including the rear commercial fueling area. This approach represents a conservative estimate of potential impacts. If Phase 2 is not constructed, the area designated for rear fueling will remain landscaped, and actual impacts related to associated site operations would be lower than those presented in this analysis.

ENVIRONMENTAL IMPACTS

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The SJVAPCD is tasked with implementing programs and regulations required by the FCAA and the CCAA. In that capacity, the SJVAPCD has prepared plans to attain Federal and State ambient air quality standards. To achieve attainment with the standards, the SJVAPCD has established thresholds of significance for criteria pollutant emissions in their GAMAQI. Projects with emissions below the thresholds of significance for criteria pollutants would be determined to “not conflict or obstruct implementation of the District’s air quality plan”. As discussed in 5.3 (b) below, the project would not exceed any SJVAPCD Criteria Pollutant Thresholds during construction or operations. Therefore, the project would not conflict with or delay the implementation of SJVAPCD attainment plans and would result in a less than significant impact.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact.

Construction Emissions

Project construction activities would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO_x) and PM_{10} and $PM_{2.5}$. Construction-generated emissions are short term and temporary, lasting only while construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD’s thresholds of significance.

Construction results in the temporary generation of emissions during demolition, site preparation, site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces.

Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities, as well as weather conditions and the appropriate application of water.

Construction activities would include demolition, off-site infrastructure improvements, site preparation, grading, paving, building construction, and architectural coating applications. Earthwork activities would require approximately 10,300 cubic yards (cy) of import. The duration of construction activities associated with the project are estimated to last approximately eight months, beginning in July 2026 and concluding in March 2027. The project's construction-related emissions were calculated using the SJVAPCD-approved California Emissions Estimator Model version 2022.1.1.29 (CalEEMod), which is designed to model emissions for land use development projects, based on typical construction requirements. The project's predicted maximum annual construction-related emissions are summarized in *Table 5.3-6: Construction-Related Emissions*. It is noted that due to technological improvements for construction equipment, emissions from project construction activities would likely be lower than those shown in the table if construction were to occur in later years. See Appendix A: Air Quality, GHG, and Energy Modeling Data for additional information regarding the construction assumptions used in this analysis.

Table 5.3-6: Construction-Related Emissions

Construction Year	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_x)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
2026	0.11	0.92	0.97	<0.01	0.12	0.07
2027	0.09	0.27	0.37	<0.01	0.01	0.01
Maximum Emissions	**0.11**	**0.92**	**0.97**	**<0.01**	**0.12**	**0.07**
SJVAPCD Significance Threshold [2]	*10*	*10*	*100*	*27*	*15*	*15*
Exceed SJVAPCD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

1. Due to rounding, total emissions may be marginally different from CalEEMod output.
2. SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 2015.
Source: Refer to the CalEEMod outputs provided in Appendix A.

Fugitive Dust Emissions. Fugitive dust emissions are associated with land clearing, ground excavation, cut-and-fill operations, and truck travel on unpaved roadways. Dust emissions also vary substantially from day to day, depending on the level of activity, the specific operations, and weather conditions. Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. Pursuant to Regulation VIII, Rule 8021, the project would be required to develop, prepare, submit, obtain approval of, and implement a dust control plan, which

would reduce fugitive dust impacts to less than significant for project construction. Pre-activity measure options include pre-watering to limit visible dust emissions (VDE) to 20% opacity and phasing work to reduce the amount of disturbed surface at any one time. During operations, measure options include constructing wind barriers and applying water or other stabilizers or suppressants to limit VDE to 20% opacity. During periods of inactivity, measure options include restricting vehicular access to the construction area and applying water or other stabilizers or suppressants to maintain a stabilized surface. Quantified construction emissions in this analysis (see *Table 5.3-6*) account for reductions associated with Rule 8021.

Construction Equipment and Worker Vehicle Exhaust. Exhaust emission factors for typical diesel-powered heavy equipment are based on the CalEEMod program defaults. Variables factored into estimating the total construction emissions include: level of activity, length of construction period, number of pieces/types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported onsite or offsite. Exhaust emissions from construction activities include emissions associated with the transport of machinery and supplies to and from the project site, emissions produced on site as the equipment is used, and emissions from trucks transporting materials and workers to and from the site. Emitted pollutants would include ROG, NO_X, PM_{10}, and $PM_{2.5}$.

ROG Emissions. In addition to gaseous and particulate emissions, the application of asphalt and surface coatings creates ROG emissions, which are O_3 precursors. In accordance with the methodology prescribed by the SJVAPCD, the ROG emissions associated with paving have been quantified with CalEEMod.

The highest concentration of ROG emissions would be generated from architectural coating beginning in January 2027 and lasting approximately two months. This phase includes the interior and exterior painting as well as striping of all paved parking areas and driveways. Paints would be required to comply with SJVAPCD's Rule 4601 (Architectural Coatings) and limit the amount of ROG emissions from cutback asphalt in compliance with the requirements of SJVAPCD's Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). Quantified construction emissions in this analysis (see *Table 5.3-6*) conservatively do not account for reductions associated with Rules 4601 and 4641.

Summary. As shown in *Table* 5.3-6: Construction-Related Emissions

Construction Year	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_x)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
2026	0.11	0.92	0.97	<0.01	0.12	0.07
2027	0.09	0.27	0.37	<0.01	0.01	0.01
Maximum Emissions	**0.11**	**0.92**	**0.97**	**<0.01**	**0.12**	**0.07**

Construction Year	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_x)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
SJVAPCD Significance Threshold [2]	*10*	*10*	*100*	*27*	*15*	*15*
Exceed SJVAPCD Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

1. Due to rounding, total emissions may be marginally different from CalEEMod output.
2. SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 2015.
Source: Refer to the CalEEMod outputs provided in Appendix A.

5.3-6, all criteria pollutant emissions would remain below their respective thresholds. As such, the proposed project's construction would not worsen ambient air quality, create additional violations of federal and state standards, or delay the SJVAPCD's goal for meeting attainment standards. Impacts would be less than significant.

Operational Emissions

Operational emissions for the fueling station and convenience store are typically generated from mobile sources (burning of fossil fuels in cars); energy sources (cooling and heating); and area sources (landscape equipment and consumer products). *Table 5.3-7*: *Project Operational Emissions*

Emissions Source	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_x)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Proposed Project						
Area	0.04	<0.01	0.02	<0.01	<0.01	<0.01
Energy	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mobile	2.73	4.09	14.82	0.04	3.08	0.82
Backup Generator	0.02	0.05	0.04	<0.01	<0.01	<0.01
Gas Dispensing Facility[2]	1.74	-	-	-	-	-
Total Project Emissions	**4.53**	**4.14**	**14.88**	**0.04**	**3.08**	**0.82**
SJVAPCD Significance Threshold[3]	*10*	*10*	*100*	*27*	*15*	*15*
SJVAPCD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

- = Not Applicable
1. Due to rounding, total emissions may be marginally different from CalEEMod output.
2. For throughput volumes and emission rates associated with gas dispensing, refer to the Potential to Emit Calculations for Gasoline Dispensing Facilities in Appendix A.

Emissions Source	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_X)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
3. SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 2015.						
Source: Refer to the CalEEMod outputs provided in Appendix A, Air Quality Modeling Data.						

shows that the project's maximum emissions would not exceed SJVAPCD operational thresholds.

Table 5.3-7: Project Operational Emissions

Emissions Source	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_X)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Proposed Project						
Area	0.04	<0.01	0.02	<0.01	<0.01	<0.01
Energy	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mobile	2.73	4.09	14.82	0.04	3.08	0.82
Backup Generator	0.02	0.05	0.04	<0.01	<0.01	<0.01
Gas Dispensing Facility[2]	1.74	-	-	-	-	-
Total Project Emissions	**4.53**	**4.14**	**14.88**	**0.04**	**3.08**	**0.82**
SJVAPCD Significance Threshold[3]	*10*	*10*	*100*	*27*	*15*	*15*
SJVAPCD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**
- = Not Applicable 1. Due to rounding, total emissions may be marginally different from CalEEMod output. 2. For throughput volumes and emission rates associated with gas dispensing, refer to the Potential to Emit Calculations for Gasoline Dispensing Facilities in Appendix A. 3. SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 2015.						
Source: Refer to the CalEEMod outputs provided in Appendix A, Air Quality Modeling Data.						

Area Source Emissions. Area source emissions would be generated due to consumer products, on-site equipment, architectural coating, and landscaping that were previously not present on the site. Consumer products are various solvents used in non-industrial applications, which emit VOCs during product use. These typically include cleaning supplies, kitchen aerosols, cosmetics, and toiletries.

Energy Source Emissions. Energy source emissions would be generated as a result of electricity usage associated with the project. As discussed in *Section 5.8*, *Greenhouse Gas Emissions*, the project would implement **Mitigation Measure MM GHG-1,** requiring all-electric development, and not utilize any natural gas. The primary use of electricity by the project would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

Mobile Source Emissions. Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_X, PM_{10}, and $PM_{2.5}$ are all pollutants of regional concern (NO_X and ROG react with sunlight to form O_3 [photochemical smog], and wind currents readily transport PM_{10} and $PM_{2.5}$). However, CO tends to be a localized pollutant, dispersing rapidly at the source. Project-generated vehicle emissions have been estimated using CalEEMod. Trip generation rates associated with the project were based on the Transportation Impact Study prepared by Kimley-Horn (2025). Based on the Transportation Impact Study, the project would result in a gross total of 5,816 daily vehicle trips. However, with pass-by trips, the project would result in 4,986 net new trips.

Gasoline Dispensing Facility. The proposed project would include 12 vehicle fueling dispensers in phase 1 of development, and if phase 2 were to occur, an additional five truck fueling positions. The 12 vehicle fueling dispensers would dispense gasoline and therefore would be considered a gasoline dispensing facility (GDF). GDFs are regulated by the SJVAPCD, and GDFs require permits from the SJVAPCD. Thus, emissions attributed to the GDF were estimated separately from the area source operational emissions above. The emissions calculations are based on annual daily throughput of 9,912 gallons of gasoline (approximately 3.62 million gallons per year) and 8,444 gallons of diesel (approximately 3.08 million gallons per year). In addition to traffic-related emissions, the GDF is also a source of ROG emissions associated with loading, storage, refueling of vehicles and spillage that results in evaporative emissions. *Table 5.3-7* also presents the evaporative ROG emissions associated with the proposed GDF. As shown in *Table 5.3-7*, the ROG emissions from the proposed GDF would not result in an exceedance of the SJVAPCD's applicable significance thresholds.

Emergency Backup Generators. Another potential source of operational emissions is stationary equipment such as diesel engines used to power emergency back-up generators. Backup generators would only be used in the event of a power failure and would not be part of the project's normal daily operation. Nonetheless, emissions associated with one backup generator for the proposed gasoline station was included to be conservative. Emissions from an emergency backup generator for the proposed gasoline station was calculated separately from CalEEMod; refer to Appendix A. Stationary sources would be subject to SJVAPCD rules and regulations and could require permits from SJVAPCD. The SJVAPCD's permitting process requires the purchase of emission reduction credits (ERC) for any criteria pollutant exceeding the SJVAPCD's New Source Review (NSR) offset requirements. NSR offset requirements provide the basis for the SJVAPCD CEQA thresholds of significance. As such, sources of stationary air pollutant emissions will be required to comply with all applicable SJVAPCD regulations.

Total Operational Emissions. As seen in *Table* 5.3-7: Project Operational Emissions

Emissions Source	Pollutant (maximum tons per year)[1]					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO_X)	Carbon Monoxide (CO)	Sulfur Oxides (SO_x)	Coarse Particulate Matter (PM_{10})	Fine Particulate Matter ($PM_{2.5}$)
Proposed Project						
Area	0.04	<0.01	0.02	<0.01	<0.01	<0.01
Energy	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mobile	2.73	4.09	14.82	0.04	3.08	0.82
Backup Generator	0.02	0.05	0.04	<0.01	<0.01	<0.01
Gas Dispensing Facility[2]	1.74	-	-	-	-	-
Total Project Emissions	**4.53**	**4.14**	**14.88**	**0.04**	**3.08**	**0.82**
SJVAPCD Significance Threshold[3]	*10*	*10*	*100*	*27*	*15*	*15*
SJVAPCD Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

- = Not Applicable
1. Due to rounding, total emissions may be marginally different from CalEEMod output.
2. For throughput volumes and emission rates associated with gas dispensing, refer to the Potential to Emit Calculations for Gasoline Dispensing Facilities in Appendix A.
3. SJVAPCD, *Guidance for Assessing and Mitigating Air Quality Impacts*, March 2015.

Source: Refer to the CalEEMod outputs provided in Appendix A, Air Quality Modeling Data.

5.3-7, project operational emissions would not exceed SJVAPCD thresholds. As noted above, the SJVAPCD has set its CEQA significance threshold based on the trigger levels for the federal NSR Program. The NSR Program was created to ensure projects are consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, the project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation, and no criteria pollutant health impacts would occur. Project operational emissions would be less than significant.

Cumulative Short-Term Emissions

The SJVAB is designated nonattainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards, and nonattainment for ozone and $PM_{2.5}$ for Federal standards. Ozone formation is driven by regional emissions of NO_x and ROG, while $PM_{2.5}$ concentrations result from both direct particulate emissions and secondary formation from NO_x, SO_x, and ROG.

As discussed above, the Project's construction-related emissions of ozone precursors (NO_x and ROG) and particulate matter (PM_{10} and $PM_{2.5}$) would not exceed the SJVAPCD significance thresholds. These thresholds are designed to identify whether an individual project's emissions would be cumulatively considerable in the context of existing regional nonattainment conditions. Therefore, because construction emissions would remain below the applicable thresholds, the

Project would not meaningfully contribute to regional $PM_{2.5}$ or ozone nonattainment conditions on a cumulative basis.

The SJVAPCD recommends consistency with Regulation VIII requirements for all projects, regardless of whether construction-related emissions exceed significance thresholds. Compliance with Regulation VIII reduces fugitive dust and exhaust emissions at a basin-wide level and is considered effective in minimizing cumulative construction-related air quality impacts. As a result, construction emissions associated with the Project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts related to $PM_{2.5}$ or ozone.

Cumulative Long-Term Impacts

The SJVAPCD has not established separate significance thresholds for cumulative operational emissions. Air quality impacts associated with criteria pollutants such as ozone and $PM_{2.5}$ are inherently cumulative in nature, particularly in air basins that are designated nonattainment. No single project, by itself, is sufficient to cause or resolve regional nonattainment; rather, individual projects contribute incrementally to existing cumulatively significant air quality conditions.

To address this, the SJVAPCD developed operational thresholds of significance that represent emission levels above which a project would be considered to have a cumulatively considerable contribution to regional air quality impacts, including those related to ozone formation and $PM_{2.5}$ concentrations. As shown in *Table 5.3-7*, the Project's operational emissions of ozone precursors and particulate matter would not exceed the applicable SJVAPCD thresholds. Accordingly, the Project's operational emissions would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Sensitive land uses are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers.

Health Risk Assessment

A Health Risk Assessment (HRA) was prepared for the proposed project and is included in Appendix B: Health Risk Assessment. The HRA evaluated potential health risks associated with the emission of diesel particulate matter (DPM) and benzene resulting from project implementation. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also emit TACs from the use of heavy-duty diesel trucks and fueling activities.

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which

are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. As the project is proposed near existing sensitive receptors, an analysis of DPM was performed using the U.S. EPA-approved AERMOD model.

Benzene is also a TAC. The majority of benzene emitted in California comes from motor vehicles, including evaporative leakage and unburned fuel exhaust. Benzene is highly carcinogenic and occurs throughout California. Benzene also has non-cancer health effects. As the project is proposing to dispense gasoline, an analysis of benzene was performed using the U.S. EPA-approved AERMOD model.

Construction Sources

Construction would generate DPM emissions from the use of off-road diesel equipment required for site preparation, grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary TAC of concern because it is the most potent TAC emitted from construction and includes hundreds of chemicals. Although DPM is a subset of PM10 exhaust, the analysis conservatively assumes all PM10 exhaust emissions are DPM. On-road diesel-powered haul trucks traveling to and from the construction site to deliver materials and equipment were included in the analysis, although they are typically less of a concern because they would not stay on the site for long durations.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the project site. In compliance with state law (Section 2485 and Section 2449 of Title 13 of the California Code of Regulations), construction activities would limit diesel construction truck/equipment idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, DPM emissions would be generated from different locations on the project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emission rates for PM10 (DPM) were calculated using CalEEMod; refer to Appendix B. Project construction is proposed to occur in 2026 over approximately eight months.

Operational Sources

CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles. This analysis also evaluates potential health risks associated with the emission of benzene. Out of the toxic compounds emitted from the gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 87 percent of cancer risk from gasoline vapors and constitutes more than three to four times the weight of gasoline than ethylbenzene and naphthalene, respectively. Therefore, ethylbenzene and naphthalene have not been modeled and are instead considered significant in the case that benzene emissions are significant. Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk).

CAPCOA's Gasoline Service Station Industrywide Risk Assessment Guidelines (Appendix I) indicate that the benzene 10 in a million cancer benchmark is reached at concentrations that are orders of magnitude lower than concentrations associated with chronic or acute noncancer health benchmarks for benzene and other gasoline constituents (e.g., toluene and xylene)(CAPCOA, 2022); therefore, cancer risk from benzene is expected to be the controlling endpoint at typical gasoline vapor concentrations.

Fueling Sources

Benzene emissions would occur from the proposed on-site fuel storage tanks and fuel dispensers. The specific processes associated with fuel storage tanks and fuel dispensers that emit air toxics include loading, breathing, refueling, and spillage, as described below:

- Loading – Emissions occur when a fuel tanker truck unloads gasoline into the storage tanks. The storage tank vapors, displaced during loading, are emitted through its vent pipe. A required pressure/vacuum valve installed on the tank vent pipe significantly reduces these emissions.

- Breathing – Emissions occur through the storage tank vent pipe as a result of temperature and pressure changes in the tank vapor space.

- Refueling – Emissions occur during motor vehicle refueling when gasoline vapors escape through the vehicle/nozzle interface.

- Spillage – Emissions occur from evaporating gasoline that spills during vehicle refueling.

Fuel dispensing facility emissions were computed based on the maximum anticipated throughput of fuel (i.e., approximately 3.6 million gallons per year). Emissions of benzene, which is a TAC, were computed using CARB emission factors for fuel dispensing facilities and assuming that benzene makes up 0.46 percent of gasoline vapor.[2] Total benzene emissions were calculated at 0.0019

[2] California Air Pollution Control Officers Association, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

pounds per hour; refer to Appendix B for the details of the calculations. The emission factors conservatively do not reflect control technologies required by any vapor recovery regulations later than 2013 (such as Certification Procedure for Vapor Recovery Systems for Enhanced Conventional [ECO] Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities [CP-207], Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities [CP-201]). These emissions factors are currently being updated by CARB.

Mobile Sources. Due to the increased vehicle traffic from the project, the resulting emissions could also result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic to the project site were obtained from the Maverik Hanford Transportation Impact Study (Transportation Impact Study), prepared by Kimley-Horn and Associates, Inc. (dated May 6, 2025). Emission rates for PM10 (DPM) were calculated using trip data and a CARB 2021 EMission FACtors model (EMFAC) model run for San Joaquin County; refer to Appendix B. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed and type. The model was run for heavy-duty diesel vehicles traveling along off-site roads, circulating the project site, and idling at proposed loading areas and the truck fueling area.

Emergency Backup Generators. It is unknown whether emergency backup generators would be used. However, one backup generator was assumed for the proposed convenience store. Backup generators would only be used in the event of a power failure and would not be part of the project's normal daily operations. Nonetheless, emissions associated with testing and maintenance of one backup generator for the proposed convenience store was included to be conservative. If a backup generator is required, the end user would be required to obtain a permit from the SJVAPCD prior to installation. Emergency backup generators must meet SJVAPCD's Best Available Control Technology (BACT) requirements and comply with SJVAPCD rules related to generators, which would minimize emissions.

Carcinogenic Risk

As noted above, the project would generate TACs from construction and operations (i.e. truck traveling along local roads, idling, and on-site circulation; backup generator; and fueling activities); refer to Appendix B for a further discussion of project TAC sources. The project would be required to install vapor recovery systems per CARB's ATCM, comply with CARB's Vapor Recovery System Certification Procedure, and Use Enhanced Conventional (ECO) and Enhanced ORVR-Vehicle Recognition (EOR) nozzles, among others. The project would also be required to comply with SJVAPCD Rule 4622 (Gasoline Transfer Into Motor Vehicle Fuel Tanks), which would reduce fueling emissions.

Table 5.3-8: Carcinogenic Risk Assessment shows the unmitigated health risk for project construction and operations. Based on SJVAPCD methodology, the exposure duration for a resident is 70 years, beginning with the third trimester, and the worker and student exposure duration is 40 years and 5 years, respectively; refer to Table 5.3-8. Operations would commence following construction. As such, construction would not overlap with operations. The analysis calculates risk based on exposure to construction concentrations during the initial eight months of the exposure

duration and operational concentrations for the remainder of the exposure duration. The project (construction and operations combined scenario) would result in a maximum cancer risk of 1.69 in one million at the residential receptors, 1.57 in one million at the worker receptors, and 2.76 in one million at the student receptors. Therefore, the SJVAPCD threshold of 20 in one million would not be exceeded at the nearest receptors and impacts would be less than significant.

Table 5.3-8: Carcinogenic Risk Assessment

Receptors	Cancer Risk (per million)[1, 2, 3]				
		Operations			Construction and Operations Combined[4]
	Construction	Trucks + Generator	Gas Dispensing Facility	Total Operations	
Residences					
Approximately 464 feet southeast (260142.80, 4022066.18)	0.13	1.06	0.54	1.59	1.69
Approximately 390 feet southwest (259732.90, 4022233.46)	0.10	0.40	0.19	0.58	0.70
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**
Worker Exposure					
KCAO Margaret Crawford Infant Toddler Center located approximately 193 feet to the south (260000.63, 4022165.03)	0.02	0.21	0.89	1.10	1.57
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**
Student Exposure					
KCAO Margaret Crawford Infant Toddler Center located approximately 193 feet to the south (260000.63, 4022165.03)	0.18	0.29	1.25	1.54	2.76
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

1. The reported risk is at the closest receptor (maximally exposed individual receptor (MEIR) for each exposure category.
2. Risk from "Construction" and "Trucks + Generator" is from PM_{10} and risk from the "Gas Dispensing Facility" is benzene.
3. Refer to Appendix B, Table 1, for exposure assumptions.
4. As cancer risk accumulates over time, the combined risk evaluates cancer risk with operational exposure starting at the end of construction. The combined risk assumes construction exposure starts from the third trimester for a year (8-month construction period) and operational exposure starts immediately after construction continues for the specified exposure duration shown in Appendix B, Table 1.

Refer to Appendix B.

Non-Carcinogenic Hazards

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at

which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

RELs are designed to protect sensitive individuals within the population. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system. There is no acute REL for DPM and the acute health risk cannot be calculated. The chronic and acute REL for benzene is 3 and 27, respectively and the target organ is the hematologic system.

Acute and chronic impacts are shown in Table 5.3-9: Chronic and Acute Hazard Assessment Results. An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. Table 5.3-9 shows that non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

Table 5.3-9: Chronic and Acute Hazards Assessment Results

Emissions Sources	Chronic Hazard	Acute Hazard
Residential Receptors		
Construction	5.2E-04	N/A
Trucks + Generator	3.0E-04	N/A
Gas Dispensing Facility	2.7E-03	4.9E-03
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**
Worker Receptors		
Construction	1.9E-03	N/A
Trucks + Generator	4.2E-04	N/A
Gas Dispensing Facility	3.0E-03	1.4E-02
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**
Student Receptors		
Construction	1.9E-03	N/A
Trucks + Generator	4.2E-04	N/A
Gas Dispensing Facility	3.0E-03	1.4E-02
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**
Refer to Appendix B.		

Health Risk Assessment Conclusion

As concluded above, the project's cancer and non-cancer risks from construction and operational emissions would be less than significant, as both would be below SJVAPCD's thresholds of significance. It should be noted that the impacts assess the project's incremental contribution to health risk impacts, consistent with the OEHHA guidance and methodology. The SJVAPCD has not

established separate cumulative thresholds and does not require combining impacts from cumulative projects. The SJVAPCD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant. Therefore, because the project's health risks (i.e., cancer and non-cancer) would not exceed the project-specific incremental thresholds, the project would not result in a cumulatively significant impact and the project's contribution would be less than cumulatively considerable. Impacts would be less than significant and no mitigation is required.

Carbon Monoxide Hotspots

Local air quality is a major concern along roadways. CO is a primary pollutant, and unlike ozone, is directly emitted from a variety of sources. For this reason, CO concentrations are usually indicative of the local air quality generated by a roadway network and are used as an indicator of its impacts upon the local air quality. Areas of vehicle congestion have the potential to create "pockets" of CO called "hot spots." These pockets have the potential to exceed the 1-hour CAAQS of 20 parts per million (ppm) and/or the 8-hour CAAQS of 9 ppm.

To identify CO hotspots, SJVAPCD recommends performing a CO hotspot preliminary screening analysis using the following thresholds:

- A traffic study for the project indicates that the Level of Service (LOS) on one or more streets or at one or more intersections in the project vicinity will be reduced to LOS E or F; or

- A traffic study indicates that the project will substantially worsen an already existing LOS F on one or more streets or at more or more intersections in the project vicinity.

Based on *Maverik Hanford Transportation Impact Study* (TIS) prepared by Kimley-Horn (May 6, 2025), study intersections in the project area would operate at an acceptable LOS.

Additionally, as part of a CO Hotspot Analysis performed by the South Coast Air Quality Management District (SCAQMD), the Wilshire Boulevard and Veteran Avenue intersection, one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day, was modeled for CO concentrations. This modeling effort identified a CO concentration high of 4.6 ppm, which is well below the 20-ppm CAAQS. The project considered herein would not produce the volume of traffic required to generate a CO hot spot in the context of SCAQMD's CO Hotspot Analysis. Based on the TIS, peak hour traffic volumes at intersections in the project area do not exceed 3,000 vehicles per hour. As the CO hotspots were not experienced at the Wilshire Boulevard and Veteran Avenue intersection even as it accommodates 100,000 vehicles daily, it can be reasonably inferred that CO hotspots would not be experienced at any intersections in the vicinity of the project site resulting from 4,986 daily vehicle trips attributable to the project. Therefore, the project would not result in a CO hotspot, and impacts would be less than significant.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?

Less Than Significant Impact.

According to the SJVAPCD, land uses associated with odor complaints typically include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The project does not include any uses identified by the SJVAPCD as being associated with odors.

Construction

Construction activities associated with the project may generate detectable odors from heavy duty equipment (i.e., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Odors generated from the referenced sources are common in the man-made environment and are not known to be substantially offensive to adjacent receptors. Any construction-related odors would be short-term in nature and cease upon project completion. As a result, impacts to existing adjacent land uses from construction-related odors would be short-term in duration and therefore would be less than significant.

Operational

The project would be subject to the SJVAPCD's Rule 4102, which allows members of the public to submit complaints regarding odor. The SJVAPCD's GAMAQI provides guidance for odor minimization practices, including establishing a buffer zone with dimensions sufficient to prevent exposing the public to nuisance levels of odorous emissions or relocation of stacks or vents, for projects that include uses associated with odors. The GAMAQI also provides guidance for determining the significance of odor problems based on a review of District complaint records for projects that are located in the vicinity of existing odor sources. As noted above, the project would not include any uses identified by SJVAPCD as being associated with odors. Moreover, the project is not located in the vicinity of any existing or planned land uses that would be considered major sources of odors. Impacts would be less than significant.

Cumulative Impacts

The SJVAPCD does not include separate significance thresholds for cumulative operational emissions. As discussed in Threshold AQ-2 above, the project would not exceed any SJVAPCD Criteria Pollutant Thresholds during construction or operations. Therefore, the project would not conflict with or delay the implementation of SJVAPCD attainment plans and would result in a less than significant impact. The SJVACPD notes that the nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size by itself to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. Consistency with the SJVAPCD control measures would ensure that the project would not cumulatively contribute to air quality impacts in the Basin. Therefore, the project's cumulative contribution of air quality emissions would be less than significant, and the project's cumulative air quality impacts would also be less than cumulatively considerable.

5.4 BIOLOGICAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
BIOLOGICAL RESOURCES. Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?		**X**		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?		**X**		
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological?				**X**
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?		**X**		
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			**X**	
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				**X**

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less Than Significant with Mitigation Incorporated.

Special-Status Plants

Four special-status plants have low potential to occur within the Study Area based on regional database review, the presence of potentially suitable grassland habitat, and alkaline soil. The survey was conducted in the winter when special-status species may not have been detectable. Ground disturbances associated with project activities could result in direct impacts to special-status plants if they are present.

Implementation of **MM BIO-4** would ensure that any special-status plants are identified before project activities and that mitigation measures are implemented if found within the Study Area. Therefore, impacts to special-status plants would be less than significant with implementation of **MM BIO-4**.

Special-Status Wildlife

Crotch's Bumble Bee

Crotch's bumble bee has moderate potential to occur within the Study Area while foraging due to the seasonal availability of ruderal flowering forbs (e.g., mustard) as vegetation regrows following disking of the Study Area. The landscaped portions of the Study Area and adjacent parcels may also provide flowering resources for the species. Project related ground disturbance and vegetation removal could result in direct impacts to individuals if present and the species can be indirectly impacted through removal of foraging resources. **Mitigation Measures MM BIO-2, MM BIO-5,** and **MM BIO-6** are recommended to reduce impacts to Crotch's bumble bee to less than-than-significant levels by requiring pre-construction surveys, conducting environmental training for all workers, and avoiding impacts to the species, if detected.

Hoary Bat

Hoary bat has moderate potential to occur in the Study Area due to the presence of onsite ornamental trees that may provide limited roosting habitat and the availability of nearby open foraging habitat. If project activities include removal or trimming of trees within or immediately adjacent to the project footprint, the project could result in direct impacts to roosting bats if present, and indirect impacts from disturbance within 100-feet of roost sites. **Mitigation Measures MM BIO-3, MM BIO-5**, and **MM BIO-6** are recommended to reduce impacts to special-status bats to less-than-significant by requiring pre-construction tree assessments and roost avoidance measures, conducting environmental training for all workers, and implementing general best management practices to avoid impacts if bats are detected.

Swainson's Hawk

Swainson's hawk has low potential to occur within the Study Area. The Study Area consists primarily of disturbed, disked agricultural land and does not provide substantial nesting habitat. Ornamental trees are present within the southeastern corner of the Study Area and in adjacent residential landscaping. These trees provide limited nesting suitability due to the ornamental setting and proximity to urban development and major roadways. Swainson's hawk may occur as a transient flyover or occasional forager over the Study Area and adjacent agricultural lands. Project implementation could result in direct or indirect impacts if an active nest were present within trees located in the Study Area or immediately adjacent parcels (e.g., disturbance from vegetation removal, noise, vibration, and human activity during the nesting season). **Mitigation Measures MM BIO-1, MM BIO-5,** and **MM BIO-6** are recommended to reduce impacts to Swainson's hawk to less-than-significant levels by requiring pre-construction nesting bird surveys and establishment of no-disturbance buffers, conducting environmental training for all workers, and implementing general best management practices to avoid impacts if the species is detected.

Burrowing Owl

Burrowing owl has potential-to-occur within the Study Area. Although field surveys conducted as part of the Biological Resources Assessment (BRA) did not identify active burrows, the species was identified as "Not Expected." This determination was based on a December field survey when burrow visibility and California ground squirrel activity are typically reduced. However, burrowing owl is documented within the nine-quadrangle California Natural Diversity Database (CNDDB) search area, and the Study Area consists of recently disked agricultural land, which is a habitat type known to support the species.

Given these factors, burrowing owls may utilize the Study Area for foraging and could occupy suitable burrows if present during the breeding or non-breeding season. Project-related ground disturbance and vegetation removal could result in direct impacts on individuals, including potential take, as well as indirect impacts from habitat disturbance. For these reasons, the burrowing owl is considered to have a "Potential to Occur," and mitigation is required to reduce potential impacts to less than significant.

Implementation of **Mitigation Measures MM BIO-1, MM BIO-5,** and **MM BIO-6**, including pre-construction surveys with an appropriate buffer (300 feet)[3] for burrowing owls and active raptor nests, worker environmental awareness training, and general best management practices, would reduce potential impacts to burrowing owl to less-than-significant levels. If burrowing owls are detected during pre-construction surveys, appropriate avoidance and minimization measures, including establishment of no-disturbance buffers or additional coordination with the California Department of Fish and Wildlife, would be implemented.

[3] Buffer distance consistent with California Department of Fish and Wildlife *Staff Report on Burrowing Owl Mitigation, March 7, 2012*

Nesting Birds

The Study Area does however contain habitat with the potential to support nesting birds protected under the CFGC and the MBTA. Therefore, the project could result in direct or indirect impacts to nesting birds. Direct impacts may include mortality from vehicle or equipment strikes as foraging birds move through the project site, and physical impacts to active nests within project site. Indirect impacts could result from noise, vibrations, and dust from construction activities throughout the project site. Noise, vibrations,

and dust can cause birds to flush out of cover and become exposed to predators or vehicle strikes. If construction activities occur during the nesting season (generally February 1 to August 31), noise, vibrations, and dust can also cause nest failures. Adults may not return to nests, predators may feed on eggs or chicks in unprotected nests, or vibrations could cause eggs to fall out of nests. Noise, dust, and vibrations may also cause avian species to leave regular foraging areas. Potential direct and indirect impacts to special-status avian species would be reduced to less than significant through implementation of **Mitigation Measures MM BIO-1, MM BIO-5,** and **MM BIO-6.**

Mitigation Measures

MM BIO-1: **Pre-construction Survey and Impact Avoidance for Burrowing Owls, Raptors, and Other Nesting Birds**. To prevent the loss of active special-status and non-special-status bird nests, juveniles or adults, project activities including vegetation clearing shall be conducted outside of the breeding season (February 1 through August 31) to the extent feasible.

If project activities will occur between February 1 and August 31, a pre-construction nesting bird survey shall be conducted by a qualified biologist no more than 7 working days prior to the activity to survey for special-status and non-special-status bird and raptor nests. The survey area shall include the project footprint and a 100-foot buffer for passerine species, a 300-foot buffer for burrowing owls, and a 300-foot buffer for raptor species. Following the survey, the following shall be implemented:

- A nesting bird survey report shall be submitted prior to the initiation of project activities. The report shall detail the methods and results of the survey including identification of the location of any active nests and make a determination if ongoing monitoring should be conducted and/or no-disturbance buffers should be established.
- If active nests are identified during the survey and/or work is scheduled to take place within 100 feet of active passerine nests, or 300 feet of active burrowing owl burrows or active raptor nests, a qualified biologist shall determine appropriate no-disturbance buffers. The buffer shall be the minimum distance required to avoid take of the nest and shall be determined based on the species identified, activities proposed, level of existing noise, and line of sight from the disturbance to the nest.
- A qualified biological monitor shall be present at the initiation of project activities

occurring within 100 feet of active passerine nests, or 300-feet of active burrowing owl burrows and active raptor nests, to ensure that project activities do not negatively affect the success of the nest. Duration and frequency of monitoring shall be determined at the discretion of the qualified biologist.

- If nesting bird monitoring is conducted, a nesting bird monitoring report shall be submitted to the City detailing the results of monitoring activities. The report shall be submitted within 30 days of the completion of the activities or nesting season.

MM BIO-2: **Pre-Construction Survey and Impact Avoidance for Crotch's Bumble Bee**. To avoid potential impacts to Crotch's bumble bee (*Bombus crotchii*), the following measures should be implemented:

- To the extent feasible, ground disturbance and vegetation removal should be conducted outside of the colony active period (April 1 through August 31).
- If ground-disturbing activities are scheduled to occur during the colony active period, a qualified biologist should conduct a pre-construction survey of the project footprint and within 100-feet of anticipated disturbance areas, no more than 14 days prior to ground disturbance to determine the presence of suitable floral resources and potential bumble bee activity.
- If Crotch's bumble bee individuals or nesting colonies are observed, a qualified biologist should establish appropriate no-disturbance buffers around occupied habitat areas. The size of the buffer should be determined by the qualified biologist based on site conditions and species behavior.
- If an active colony is identified and cannot be avoided, the qualified biologist in coordination with the applicant should coordinate with the California Department of Fish and Wildlife, as appropriate, and implement additional avoidance measures as necessary to avoid impacts.
- A pre-construction survey report should be submitted to the City following completion of the pre-construction survey.

MM BIO-3: **Pre-Construction Survey and Impact Avoidance for Special-Status Bats.** Although suitable bat roosting habitat is limited within the project footprint, special-status bats such as hoary bat (*Lasiurus cinereus*) may occur in adjacent areas. To avoid and minimize potential impacts, the following measures shall be implemented:

- If project activities include removal or trimming of trees within or immediately adjacent to the project footprint, a qualified biologist should conduct a pre-construction assessment of trees to identify potential bat roosting no more than 14 days prior to tree removal or trimming.
- If evidence of bat roosting is observed, the qualified biologist should establish appropriate no-disturbance buffers around the roost site until bats have vacated the area.

- To the extent feasible, tree removal should occur outside of the bat maternity season (April 1 through August 31).
- If bats are observed during construction activities and are in jeopardy of being directly impacted, work in the immediate vicinity should cease until a qualified biologist evaluates the situation and provides appropriate avoidance recommendations.

MM BIO-4: **Pre-Construction Survey and Impact Avoidance for Special-Status Plants.** The biological field survey for the project was conducted during the winter season when special-status plant species may not have been detectable. To avoid or minimize potential impacts to special-status plant species, the following measures shall be implemented:

- Within one year prior to the initiation of ground-disturbing activities, a qualified botanist should conduct a focused rare plant survey of the project footprint and within fifty feet of proposed disturbance areas.
- The focused rare plant survey should be conducted in accordance with the California Native Plant Society (CNPS) Botanical Survey Guidelines, be conducted during the appropriate blooming period for special-status plant species with potential to occur in the site (refer to Attachment 2), and should confirm the presence or absence of special-status plant species.
- If special-status plant species are identified, the qualified botanist should map the boundaries of the population. The biologist should work with the project design and/or contractor team to avoid the special-status plant occurrence(s), as mapped in the field by the botanist.

If complete avoidance of the special-status plant occurrence(s) is not feasible, the following mitigation measures should be implemented:

- If the identified species is listed under the CESA as candidate, threatened, or endangered, all project activities that could impact the occurrences should cease and the applicant should coordinate with the CDFW to determine the need for a 2081-Incidental Take Permit. Direct or indirect impacts to the occurrence(s) or within 50-feet of the occurrence(s) must be avoided unless the applicant obtains a 2081-Incidental Take Permit or other authorization from the CDFW.
- If the special-status plant species are not CESA-listed and are CNPS Rare Plant Rank 1 or 2 and/or listed under the Federal Endangered Species Act, the following should be implemented:
    - For annual and perennial species, the biologist will collect seed prior to project disturbance, store the seed in a cool and dry place, and redistribute the collected seed in suitable soil in the temporarily disturbed portions of the project area following completion of disturbance.
    - If seed is not available due to project timing, the applicant and the botanist should implement a soil seed bank salvage program to promote the continued existence of the species on the parcel. Soil from the project

disturbance areas containing the special-status species seed should be collected and reapplied. To accomplish this, the upper 6 inches of soil located within the vicinity of occurrence(s) should be collected prior to grading activities. The collected soil should be distributed in the temporary disturbance areas following completion of the grading activities or in adjacent undisturbed areas on the parcel.

- The broadcasted seed and/or salvaged soil distribution area should be monitored for two consecutive seasons to determine if the redistributed seed and/or soil supports germination of the targeted species. If germination is not observed, the applicant and their biologist should continue the seed collection and distribution efforts until germination is confirmed in the distribution areas.

- A rare plant survey report should be submitted to the City prior to initiation of ground-disturbing activities if focused surveys are conducted.

MM BIO-5: **Worker Environmental Awareness Program (WEAP).** Prior to initiation of construction activities (including staging and mobilization), all personnel associated with project construction should attend a WEAP training, conducted and prepared by a qualified biologist, to aid workers in recognizing special-status species, native or nesting birds and other biological resources that may occur in the construction area. The specifics of this program will include identification and habitats of special-status species with potential to occur at the project site, a description of the regulatory status and general ecological characteristics of sensitive resources, a review of the limits of construction, and an explanation of the mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information shall also be prepared by the qualified biologist for distribution to all contractors, their employers, and other personnel involved with construction. All personnel shall sign a form provided by the trainer indicating they have attended the WEAP and understand the information presented to them.

MM BIO-6: **General Best Management Practices.** The following General BMPs would be implemented by project personnel:

- Prior to mobilization, the contractor would clearly delineate the project limits and prohibit any project-related work outside those boundaries.
- Project-related vehicles would observe a 5-mile-per-hour speed limit within the unpaved limits of the project.
- All food-related trash items such as wrappers, cans, bottles, and food scraps generated during the proposed project would be disposed of in closed containers only and removed daily from the project site.
- No deliberate feeding of wildlife would be allowed.
- No pets would be allowed on the project site.
- No firearms would be allowed on the project site.

- If vehicle or equipment maintenance is necessary, it would be performed in the designated staging areas.
- If project activities must occur at night (between dusk and dawn), all lighting would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties and to reduce impacts on local wildlife.
- Heavy equipment would be operated in accordance with standard BMPs. Equipment used on-site would be properly maintained to avoid leaks of oil, fuel, or residues. Provisions would be in place to remediate any accidental spills.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated. No sensitive plant communities or riparian habitats are present within the project site. However, vegetation within the project site was surveyed in December, which is not the optimal season for plant identification. The only plants identified were general groups (e.g., mustards), limiting characterization of on-site plant communities.

Due to these seasonal limitations, the potential presence of special-status plant species and associated sensitive natural communities cannot be fully ruled out based on the reconnaissance-level survey. Taking this into account, MM BIO-4 will be implemented. Implementation of **Mitigation Measure MM BIO-4** would require focused floristic surveys to be conducted during the appropriate blooming period, in accordance with applicable protocols, to confirm the presence or absence of special-status plant species and evaluate the potential for sensitive natural communities. If any sensitive natural communities or special-status plant populations are identified, they would be avoided to the extent feasible or otherwise mitigated in coordination with the California Department of Fish and Wildlife, as appropriate. With implementation of **MM BIO-4**, potential impacts to sensitive natural communities would be reduced to less than significant.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological?

No Impact. As identified in the Biological Resource Assessment by Rincon, there are no identified state or federally protected wetlands within the project site or Study Area. Therefore, there would be no impacts to jurisdictional waters and wetlands.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant with Mitigation Incorporated. The Study Area is a disturbed, recently disked agricultural field bounded by major roadways, surrounding development, and agriculture. Common disturbance tolerant wildlife may move through the Study Area for local travel and foraging. However, the Study Area does not connect larger habitat areas and movement in the general region is already constrained by Highway 198, 12th Avenue, and adjacent development. Therefore, the project would not substantially interfere with wildlife movement or established corridors. Wildlife nursery sites were not observed during the reconnaissance survey, and no evidence of bat maternity roosting was observed in trees present within or adjacent to the Study Area. **Mitigation Measures MM BIO-3, MM BIO-5**, and **MM BIO-6** will be implemented to reduce impacts on wildlife movement and nursery sites to less-than-significant levels by requiring pre-construction bat roost surveys if tree work is proposed, conducting environmental training for all workers, and implementing general best management practices.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less than Significant Impact. Ornamental trees are present within the southeastern corner of the Study Area near an existing residence, and landscaped shrubs occur along portions of the northern and eastern margins of the Study Area. Consistent with applicable local policies regarding preservation of mature trees and installation of drought-tolerant/native landscaping, project design should retain and avoid impacts to onsite trees to the extent feasible. If tree removal or trimming is required, the applicant should coordinate with the City to confirm applicability of local tree preservation requirements and obtain any required approvals prior to removal. landscaping associated with the project should be designed to comply with local policies by incorporating native and/or drought-tolerant plant species to the extent feasible. With implementation of these design considerations and adherence to applicable City requirements, the proposed project is not expected to conflict with local policies or ordinances protecting biological resources. Therefore, impacts are less than significant.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The project area does not fall within the jurisdiction of any Habitat Conservation Plans (HCP). Therefore, there would be no conflicts with HCPs.

Cumulative Impacts

The Study Area consists of recently disked fallowed agricultural land with minimal vegetation and no sensitive natural communities, jurisdictional waters or wetlands, or designated critical habitat. Four special-status plant species have low potential to occur within the Study Area due to the presence of suitable alkaline soil and the potential presence of suitable grassland habitat. However, the winter reconnaissance survey conducted outside of the appropriate blooming season limited the ability to detect special-status plants. One special-status wildlife species, Swainson's hawk, was determined to have a low potential to

occur within the Study Area and may occur as a transient flyover or use the area for foraging. Burrowing owl has potential to occur within the Study Area due to the presence of suitable open, disturbed agricultural habitat and documented occurrences within the surrounding region. Mitigation measures to implement pre-construction surveys to identify and avoid active burrowing owl burrows and raptor nests are required to reduce potential impacts to sensitive bird species onsite. Crotch's bumble bee and hoary bat have moderate potential to occur within the Study Area as foraging, roosting, or transient individuals associated with the ruderal flowering forbs and ornamental trees found within the Study Area. The Study Area also provides marginal habitat for nesting birds, and potential impacts to nesting birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFGC) could occur if vegetation removal or construction activities take place during the nesting season.

With implementation of the recommended **Mitigation Measures MM BIO-1 through MM BIO-6**, including pre-construction nesting bird surveys, focused rare plant surveys during the appropriate blooming period, pre-construction surveys and assessments for Crotch's bumble bee and bats, WEAP training, and general best management practices, potential impacts to biological resources would be avoided or reduced to less-than-significant levels.

5.5 CULTURAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?			**X**	
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?		**X**		
c) Disturb any human remains, including those interred outside of dedicated cemeteries?		**X**		

a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?

Less Than Significant Impact. A Cultural Resources Study for project site was conducted by Kimley-Horn and Associates, Inc. on October 2024 (Appendix D). Historical resources findings were supported by a cultural resources records search, Sacred Lands File search, literature review, review of cultural databases and repositories, review of historic maps and imagery, and an intensive-level pedestrian survey of the Project area. Survey transects were spaced approximately 15 meters apart, and ground visibility was approximately 100 percent due to prior disturbance. From the cultural resources records search through the Southern San Joaquin Valley Information Center (SSJVIC) of the two resources within 0.5 miles, none were recorded within the project site. The study also conducted a review of the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), National Historic Landmarks list (NHL), the Built Environment Resource Directory (BERD), and historic aerials. No listed resources were identified within the project area. However, the review of historic aerials noted a single-family residence within the Project area that was initially erected on site prior to 1957. This resource has been evaluated and newly recorded as KHA-HMA-2024-01. The identified residence was evaluated under all four CRHR criteria. The resource is not associated with significant historic events (Criterion 1) or persons (Criterion 2), does not embody distinctive architectural characteristics or represent the work of a master (Criterion 3), and lacks the potential to yield important information about prehistory or history (Criterion 4). Due to redevelopment in 1975 and subsequent alterations, the structure has been deemed insignificant. Furthermore, the resource was found not eligible under any of the four CRHR criteria and therefore does not qualify as a "historical resource" under CEQA. In addition to this, 9 cultural resource studies were found within 0.5 miles of the project site. Of these, two included a portion of the project site. Neither of the studies identified any cultural resources on site. The 9 cultural studies identify the closest cultural resources as a historic ditch, approximately 0.44 miles east, and the Southern Pacific Railroad, approximately 0.17

miles north. From the review of historical topographic maps, the project site has primarily consisted of an agricultural field with a small structure in the southeast corner in the late 1950s. By 1984, the structure has slightly increased in size, Highway 198 has been developed, and north-south dirt roads exist where present day 12th Avenue is located. The existing structure is not eligible under any of the four criteria of CRHR and does not qualify as a historical resource. Historical imagery showcases few changes to the project area between 1984 and present day. The structure was found to not have any historical significance and would not be significant. Overall, there were no historical cultural resources or unique archaeological resources identified on the project site and therefore the project would have a less than significant impact.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

Less Than Significant With Mitigation Incorporated. The Project site has been subject to extensive agricultural use, grading, and infrastructure development, resulting in surface and near-surface soil disturbance. As indicated above there were no archaeological resources found on-site, this is substantiated through a SSJVIC records search, NRHP records search, CRHR records search, NHL records search, and BERD records search, a pedestrian survey of the project area, a cultural resources records search, Sacred Lands File search, literature review, review of cultural databases and repositories, and review of historic maps and imagery. However, the absence of substantial surface prehistoric or historic-period archeological remains within the project vicinity and the existing level of disturbance does not preclude the possibility of subsurface resources. Though the circumstances would present a low possibility, **Mitigation Measures MM CUL-1** and **MM CUL-2** would reduce impacts in the unanticipated discovery of archaeological resources and inadvertent discoveries of human remains. Given the disturbed conditions and negative records and field results, archaeological sensitivity is low. With the implementation of **MM CUL-1** and **MM CUL-2**, impacts would be less than significant.

Mitigation Measures

MM CUL-1: **Inadvertent Discoveries of Cultural Resources**. In the event that cultural resources are discovered during Project implementation, all earthwork and ground-disturbing activities will halt within 50 feet of the discovery. An archaeologist meeting the Secretary of Interior's professional qualification standards (Qualified Archaeologist) will coordinate with the City of Hanford and identify whether the resource may qualify as a historical resource or unique archaeological resource (defined in CEQA Guidelines Section 15064.5), a tribal cultural resource (defined in PRC Section 21080.3), and if it requires further evaluation. If the cultural resources are Native American in origin, the Consulting Tribe(s) must be immediately contacted and consulted regarding potential significance and treatment of the resource. For any potential significant cultural resources, the Qualified Archaeologist will make recommendations to the City to avoid or mitigate impacts on the resource.

Preservation in place (i.e. avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery to excavate the resource along with subsequent laboratory processing and analysis. Disposition of significant Native American archaeological materials, such as reburial or curation by a qualified repository within Kings County, will be agreed upon by the City and Consulting Tribe(s). Any significant non-Native American archaeological material shall be curated at a public, non-profit institution with a research interest in the materials within Kings County, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.

All identified cultural resources will be recorded on appropriate CA DPR 523 series forms and evaluated for significance. All findings will be included within a Monitoring Report drafted by the Qualified Archaeologist and submitted to the City and Consulting Tribe(s) for review. Final copies of the Monitoring Report will be submitted to the City, Consulting Tribe(s), and Southern San Joaquin Valley Information Center (SSJVIC).

MM CUL-2: **Inadvertent Discoveries of Human Remains**. If human remains are encountered during the undertaking, California State Health and Safety Code Section 7050.5 states that excavation shall stop and no further disturbance shall occur within 100 feet of the discovery until the County Coroner has made a determination of origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission (NAHC), who will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery within 48 hours of notification. If the NAHC is unable to identify an MLD, the MLD fails to make a recommendation, or the landowner or his/her authorized representative rejects the recommendation, the human remains, and associated items will be interred on the property with appropriate dignity in a location that will not be subject to future disturbance.

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant With Mitigation Incorporated. No human remains are known to be present within the project site. If human remains are found, those remains would require proper treatment in accordance with applicable laws, including Health and Safety Code (HSC) §§ 7050.5-7055 and PRC § 5097.98 and § 5097.99. HSC §§ 7050.5-7055 describe the general provisions for treatment of human remains. Specifically, HSC § 7050.5 prescribes the requirements for the treatment of any human remains that are accidentally discovered during excavation of a site. HSC § 7050.5 also requires that all activities cease immediately, and a qualified archaeologist and Native American monitor be contacted immediately. As required by state law, the procedures set forth in PRC §

5097.98 would be implemented, including evaluation by the County Coroner and notification of the NAHC. The NAHC would then designate the "Most Likely Descendent" of the unearthed human remains. If human remains are found during excavation, excavation would be halted in the vicinity of the discovery and any area that is reasonably suspected to overlay adjacent remains shall remain undisturbed until the County Coroner has investigated, and appropriate recommendations have been made for the treatment and disposition of the remains. Compliance with the established regulatory framework (i.e., HSC § 7050.5-7055 and PRC §§ 5097.98 and 5097.99) and implementation of **MM CUL-2**, above, would ensure potential project impacts concerning human remains are reduced to less than significant.

Cumulative Impacts

Overall, the project would not cause a considerable impact to historical cultural resources, archaeological cultural resources, or human remains. Due to the project location and previously disturbed project site ground, and the addition of the above listed mitigation measures, the proposed project would not cause a cumulatively considerable impact to occur

5.6 ENERGY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
ENERGY. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			**X**	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			**X**	

REGULATORY SETTING

State

Renewable Energy Standards

In 2002, California established its Renewable Portfolio Standard program[4] with the goal of increasing the annual percentage of renewable energy in the state's electricity mix by the equivalent of at least 1 percent of sales, with an aggregate total of 20 percent by 2017. The California Public Utilities Commission subsequently accelerated that goal to 2010 for retail sellers of electricity (Public Utilities Code Section 399.15(b)(1)). Then-Governor Schwarzenegger signed Executive Order S-14-08 in 2008, increasing the target to 33 percent renewable energy by 2020. In September 2009, then-Governor Schwarzenegger continued California's commitment to the Renewable Portfolio Standard by signing Executive Order S-21-09, which directs the California Air Resources Board under its Assembly Bill (AB) 32 authority to enact regulations to help the State meet its Renewable Portfolio Standard goal of 33 percent renewable energy by 2020. In September 2010, the California Air Resources Board adopted its Renewable Electricity Standard regulations, which require all of the State's load-serving entities to meet this target. In October 2015, then-Governor Brown signed Senate Bill 350 legislation, which requires retail sellers and publicly owned utilities to procure 50 percent of their electricity from eligible renewable energy resources by 2030. Signed in 2018, SB 100 revised the goal of the program to achieve the 50 percent renewable resources target by December 31, 2026, and to achieve a 60 percent target by December 31, 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

[4] The Renewable Portfolio Standard is a flexible, market-driven policy to ensure that the public benefits of wind, solar, biomass, and geothermal energy continue to be realized as electricity markets become more competitive. The policy ensures that a minimum amount of renewable energy is included in the portfolio of electricity resources serving a state or country.

2008 California Energy Action Plan

The 2008 Energy Action Plan Update provides a status update to the 2005 Energy Action Plan II, which is the State of California's principal energy planning and policy document. The plan continues the goals of the original Energy Action Plan, describes a coordinated implementation plan for State energy policies, and identifies specific action areas to ensure that California's energy is adequate, affordable, technologically advanced, and environmentally sound. First-priority actions to address California's increasing energy demands are energy efficiency, demand response (i.e., reduction of customer energy usage during peak periods in order to address system reliability and support the best use of energy infrastructure), and the use of renewable sources of power. If these actions are unable to satisfy the increasing energy and capacity needs, the plan supports clean and efficient fossil-fired generation.

Building Codes

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the California Energy Commission) in June 1977 and are updated every three years (Title 24, Part 6, of the California Code of Regulations). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. On September 11, 2024, the CEC adopted the 2025 Title 24 standards (2025 Energy Code). Among other updates like strengthened ventilation standards for gas cooking appliances, the 2025 Energy Code includes updated standards in three major areas:

- The expansion of the use of electric heat pumps for space conditioning and water heating in most new residential and commercial buildings.
- The expansion of solar photovoltaic and battery storage requirements to more building types
- The requirement for electric-ready infrastructure to support future appliance electrification

Projects whose permit applications are applied for on or after January 1, 2026, must comply with the 2025 Energy Code.[5]

California Green Building Standards Code

The California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), commonly referred to as the CALGreen Code, is a statewide mandatory construction code that was developed and adopted by the California Building Standards Commission and the California Department of Housing and Community Development. CALGreen standards require new residential and commercial buildings to comply with mandatory measures under five topical areas: planning and design; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; and environmental quality. CALGreen also provides voluntary measures (CALGreen Tier 1 and Tier 2) that local governments may adopt which encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code, the 2025 CALGreen Code, was adopted by the CEC on September 11, 2024,

[5] California Energy Commission, *Energy Commission Adopts Updated Building Standards Expanding Requirements for Heat Pumps and Electric-Ready Buildings*, https://www.energy.ca.gov/news/2024-09/energy-commission-adopts-updated-building-standards-expanding-requirements-heat, accessed July 2025.

and will go into effect January 1, 2026. Projects whose permit applications are applied for on or after January 1, 2026, must comply with the 2025 CALGreen Code.[6]

2006 Appliance Efficiency Regulations

The California Energy Commission adopted Appliance Efficiency Regulations (Title 20, CCR Sections 1601 through 1608) on October 11, 2006. The regulations were approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both Federally regulated appliances and non-Federally regulated appliances. While these regulations are now often viewed as "business-as-usual," they exceed the standards imposed by all other states and they reduce GHG emissions by reducing energy demand.

California Utility Efficiency Programs (Senate Bill 1037 and Assembly Bill 2021)

SB 1037 and AB 2021 require electric utilities to meet their resource needs first with energy efficiency. California Utility Efficiency Programs have also set new targets for statewide annual energy demand reductions. Regional and Local

City of Hanford General Plan

The City of Hanford General Plan includes policies targeting energy applicable to development projects in Hanford, including the following which are applicable to the project:

OBJECTIVE AQ 7: Increase the use of energy conservation features, renewable sources of energy and low-emission equipment in new and existing development projects within the City.

Policy AQ 7.2: Initiate and sustain ongoing efforts with local water and energy utilities and developers to establish and implement voluntary incentive based programs to encourage the use of energy efficient designs and equipment in new and existing development projects within the City.

Policy AQ 7.3: Support and recognize developers proposing projects that comply with the state's Green Building Standards voluntary tier levels or other enhanced energy conservation and sustainable rating systems such as LEED certification, Greenpoint Rating, and Energy Star.

Policy AQ 7.5: City staff will proactively work with the California Energy Commission, local water and energy utilities, industry, and other potential partners to seek funding sources and implement programs which reduce water and energy use, reduce air emissions and reduce the creation of greenhouse gases.

Policy AQ 7.6: Encourage the use of solar-ready roofs into residential and commercial development. New residential development should include proper solar orientation (southfacing roof area sloped at 20° to 55° from the horizontal), clear access on the south sloped roof (no chimneys, heating vents, plumbing vents, etc.), electrical conduit installed for solar electric system wiring, plumbing installed for solar hot water systems, and space provided for a solar hot water storage tank. Roofs for commercial development should

[6] California Energy Commission, *California Energy Commission September 11, 2024 Business Meeting Backup Materials for Item 08: Adoption of Voluntary Standards in the 2025 California Green Building Standards Code*, https://www.energy.ca.gov/filebrowser/download/6637?fid=6637, accessed July 2025.

be designed to maximize potential area available for solar panels and provide electrical conduit to support future installation.

Program AQ 7.3: The City will work with the building industry to incorporate designs improving solar readiness into building plans through voluntary green building guidelines.

ENVIRONMENTAL IMPACTS

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less Than Significant Impact.

Construction

The energy consumption associated with construction of the proposed project includes primarily diesel fuel consumption from on-road hauling trips and off-road construction diesel equipment, and gasoline consumption from on-road worker commute and vendor trips. The amount of electricity used during construction would be minimal; typical demand would stem from the use of electrically powered hand tools and several construction trailers by managerial staff during the hours of construction activities. The majority of the energy used during construction would be from petroleum. This analysis relies on the construction equipment list and operational characteristics, as provided in the CalEEMod (version 2022.1.1.29) outputs for the project; see Appendix A. Energy consumption associated with project construction is summarized in *Table 5.6-1: Project Energy Consumption During Construction*.

Table 5.6-1: Project Energy Consumption During Construction

Source	Project Construction Usage	Kings County Annual Energy Consumption[1]	Percentage Increase Countywide
Electricity Use	**Megawatt Hours (MWh)**		
Water Consumption[2]	0.51	1,752,054	<0.0001%
Diesel Use	**Gallons**		
On-Road Construction Trips [3]	4,240	42,755,538	0.01%
Off-Road Construction Equipment[4]	20,502	42,755,538	0.048%
Construction Diesel Total	***24,742***	***42,755,538***	***0.058%***
Gasoline	**Gallons**		
On-Road Construction Trips[3]	620	71,589,612	0.0009%

1. Most recent Kings County electricity consumption (2024) from California Energy Commission (https://www.energy.ca.gov/files/energy-consumption-data-files). Projected Kings County fuel usage (2026) from EMFAC2021 model (https://arb.ca.gov/emfac/emissions-inventory/).
2. Construction water use based on acres disturbed per day per construction sequencing and estimated water use per acre.

Source	Project Construction Usage	Kings County Annual Energy Consumption[1]	Percentage Increase Countywide
3. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod and fleet-average fuel consumption in gallons per mile from EMFAC2021 in Kings County for construction year 2026. 4. Construction fuel use was calculated based on CalEEMod emissions outputs and conversion ratios from the Climate Registry. 5. Total Construction Energy is the combined energy usage over approximately eight months of construction. Abbreviations: CalEEMod: California Emission Estimation Model; EMFAC: Emission Factor Model 2021. Source: Refer to energy calculations in Appendix A.			

In total, construction of the project would consume approximately 0.51 megawatt hours (MWh) of electricity, 24,742 gallons of diesel and 620 gallons of gasoline. Water for project construction would represent less than 0.0001 percent of the County's water consumption. The project's fuel from the entire construction period would increase fuel use in the County by approximately 0.058 percent for diesel and 0.0009 percent for gasoline.

There are no unusual project characteristics that would necessitate the use of construction equipment that would be less energy-efficient than at comparable construction sites in the region or state. In addition, some incidental energy conservation would occur during construction through compliance with State requirements. Project construction would be subject to CARB's Off-Road Regulation, which limits diesel-fueled idling to a maximum of five minutes, reducing diesel consumption and consequent air emissions. Project construction equipment would also be required to comply with the Off-Road Regulation, as well as EPA Nonroad Diesel Engine Emission Standards, which phase in "tiers" of engines over time, increasing energy efficiency and reducing fuel consumption. The minimum engine tier certification required for construction equipment depends on model year and the size of the respective construction fleet.

The CEQA Guideline Appendix G and Appendix F criteria requires the project's effects on local and regional energy supplies and on the requirements for additional capacity to be addressed. A 0.059 percent increase in construction fuel demand is not anticipated to trigger the need for additional capacity. Fuel consumption is based on a conservative construction phasing (occurring over approximately nine months) and conservative estimates for annual construction fuel consumption. Longer phases would result in lower construction intensity and a lower annual fuel consumption, resulting in lower annual demand on energy supplies. Additionally, use of construction fuel would cease once the project is fully developed. As such, project construction would have a nominal effect on the local and regional energy supplies. Therefore, it is expected that construction fuel consumption associated with the project would not be inefficient, wasteful, or unnecessary. The project would not substantially affect existing energy or fuel supplies, or resources and new capacity would not be required. Impacts would be less than significant in this regard.

Operations

Project energy consumption would include building electricity and water usage, as well as fuel usage from on-road vehicles. The project's annual energy use during operation is shown in *Table*

5.6-2: Annual Energy Consumption During Operations. Project operations would annually consume approximately 465 MWh of electricity, 153,016 gallons of diesel, and 339,430 gallons of gasoline.

Table 5.6-2: Annual Energy Consumption During Operations

Source	Project Operational Usage	Kings County Annual Energy Consumption[1]	Percentage Increase Countywide
Electricity Use	**Megawatt Hour/Year (MWh/year)**		
Area[2]	463	1,752,054	0.0265%
Water[2]	2		0.0001%
Total Electricity	465		0.0266%
Natural Gas Use	**Therms/year**		
Area[2]	0	62,179,484	0%
Diesel Use	**Gallons/Year**		
Mobile[3]	153,016	42,584,054	0.359%
Gasoline Use	**Gallons/Year**		
Mobile[3]	339,430	70,243,118	0.483%

Notes:
1. Most recent Kings County electricity consumption (2024) from California Energy Commission (https://www.energy.ca.gov/files/energy-consumption-data-files). Projected Kings County fuel usage (2027) from EMFAC2021 model (https://arb.ca.gov/emfac/emissions-inventory/).
2. The electricity usage is based on project-specific estimates and CalEEMod defaults. With implementation of **Mitigation Measure MM GHG-1,** the project would be an all-electric development and not utilize any natural gas.
3. Calculated based on the mobile source fuel use based on vehicle miles traveled (VMT) and fleet-average fuel consumption (in gallons per mile) from EMFAC2021 for operational year 2027. Mobile energy use includes a high percentage of heavy-duty vehicle fueling resulting from truck stop trips (refer to Operational Fuel in Appendix A).

Abbreviations: CalEEMod: California Emission Estimation Model; EMFAC2021: California Air Resources Board Emission Factor Model; MWh: Megawatt-hour
Source: Energy Calculations in Appendix A.

In total, project operations would use approximately 465 MWh of electricity. Kings County used 1,752 GWh of electricity in 2024. Project operational electricity use would represent approximately 0.027 percent of the current electricity use in Kings County. Therefore, there is adequate capacity to meet the project's anticipated electricity demand.

As discussed in *Section 5.8*, *Greenhouse Gas Emissions*, the project would implement **Mitigation Measure MM GHG-1,** requiring all-electric development, and not utilize any natural gas. Therefore, the project would not impact natural gas supply and capacity in Kings County.

In 2027, Californians are anticipated to use approximately 13,169,065,097 gallons of gasoline and approximately 3,160,833,123 gallons of diesel fuel. Kings County annual gasoline fuel use in 2027 is anticipated to be 70,243,118 gallons and diesel fuel is anticipated to be 42,584,054 gallons. Expected project operational use of gasoline and diesel would represent 0.003 percent of current gasoline use and 0.005 percent of current diesel use in the state. Project operational use of gasoline and diesel would represent 0.483 percent of gasoline use and 0.359 percent of diesel use in the County.

The project would be consistent with Title 24 Building Energy Efficiency Standards, which would take effect on January 1, 2026. Prior to issuance of a building permit, the City of Hanford would review and verify that the project plans demonstrate compliance with the current version of the Building and Energy Efficiency Standards. Title 24 compliance requires energy conservation features in new construction (e.g., expansion the use of electric heat pumps for space conditioning or water heating and of solar photovoltaic and battery storage requirements. As a nonresidential use, the project would be subject to mandatory energy efficiency requirements, particularly related to indoor and outdoor lighting and electrical power distribution. The 2025 Energy Code also contains solar-ready requirements for nonresidential buildings, including the development of a solar zone where panels can be installed at a future date with appropriate surface area and orientation, and construction documents that include information about structural loads and potential plans for interconnecting a solar photovoltaic (PV) system.

Additionally, the project would also be required adhere to the provisions of CALGreen, which establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The insulation and design code requirements would minimize wasteful energy consumption.

The CEQA Guideline Appendix G and Appendix F criteria requires the project's effects on local and regional energy supplies and on the requirements for additional capacity to be addressed. Energy and fuel consumption associated with project operation does not exceed one percent of annual use in Kings County for any fuel type, as shown in *Table 5.6-2*. As such, project operation would have a nominal effect on the local and regional energy supplies. Project operation would be consistent with all applicable energy efficiency requirements, including the Building Energy Efficiency Standards and CalGreen. Therefore, it is expected that construction fuel consumption associated with the project would not be inefficient, wasteful, or unnecessary. The project would not substantially affect existing energy or fuel supplies, or resources and new capacity would not be required. Impacts would be less than significant in this regard.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. The project would be required to comply with existing regulations, including applicable measures from the City's General Plan, or would be directly affected by the outcomes (vehicle trips and energy consumption would be less carbon intensive due to statewide compliance with future low carbon fuel standard amendments and increasingly stringent Renewable Portfolio Standards). As such, the project would not conflict with any other state-level regulations pertaining to energy. The project would comply with existing State energy standards and would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Cumulative Impacts

As discussed above, construction fuel consumption associated with the Project would be temporary in nature and would not be inefficient, wasteful, or unnecessary. Construction-related fuel use would consist primarily of diesel consumption by off-road equipment and on-road haul trucks, consistent with typical

construction activities occurring throughout Kings County and the San Joaquin Valley region. When viewed in the context of the regional baseline, which includes ongoing agricultural, industrial, and transportation-related fuel consumption, the Project's short-term construction fuel use would represent a very small incremental increase.

Regional growth projections anticipate continued increases in truck activity and goods movement throughout the San Joaquin Valley due to population growth, agricultural production, and industrial development. The Project's construction-related truck trips would be limited in duration and scale and would not result in a long-term increase in regional truck activity or fuel demand. Accordingly, the Project would not contribute to a proliferation of fuel throughput or sustained increases in diesel consumption beyond existing and projected regional growth trends.

Operationally, the Project would not substantially affect existing energy or fuel supplies, and no new energy generation or fuel delivery infrastructure would be required. The Project's operational energy demand represents less than one percent of total Kings County energy use. In addition, the Project would be required to comply with CALGreen, which establishes planning and design standards for sustainable site development, enhanced energy efficiency beyond California Energy Code requirements, water conservation, material conservation, and indoor air quality. Building insulation, equipment efficiency, and design features would further minimize wasteful energy consumption over the life of the Project.

As discussed above, none of the project energy uses exceed one percent of Kings County use and it is expected that operational fuel and energy consumption associated with the project would not be inefficient, wasteful, or unnecessary. Therefore, the project's cumulative contribution of energy use would be less than significant, and the project's cumulative energy impacts would also be less than cumulatively considerable.

5.7 GEOLOGY AND SOILS

ENVIRONMENTAL Issues	IMPACTS	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
7. GEOLOGY AND SOILS. Would the project:					
a)	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i)	Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			**X**	
ii)	Strong seismic ground shaking?		**X**		
iii)	Seismic-related ground failure, including liquefaction?		**X**		
iv)	Landslides?			**X**	
b)	Result in substantial soil erosion or the loss of topsoil?		**X**		
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?		**X**		
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?		**X**		
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?			**X**	
f)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		**X**		

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less Than Significant Impact. The closest known Alquist-Priolo Earthquake Fault Zone is the Nunez Fault located approximately 43 miles southwest. The closest known fault to the project site is the Great Valley Thrust Fault located approximately 31 miles southwest. There are no earthquake fault zone boundaries or County designated fault zones identified at the project site or within the city of Hanford. The Seismic Hazards Mapping Act, passed in 1990, requires mapping of seismic hazard zones and sets requirements for projects located within such zones. The project site is not within a seismic hazard zone map prepared under the Seismic Hazards Mapping Act (California Geological Survey, 2021). Based on this information, the project would have no impact related to fault rupture hazards. Overall, impacts associated with the rupture of a known earthquake fault would be less than significant.

ii) Strong seismic ground shaking?

Less Than Significant With Mitigation Incorporated. The project site, located in the Central Valley has a low to moderate shaking potential (DOC, 2016). Design and construction would still comply with the latest 2022 California Building Code (CBC), City regulations, and other applicable state standards which would minimize the potential of strong seismic ground shaking impacts. The CBC provides procedures for earthquake-resistant structural design based on the buildings risk or seismic design category that include considerations for on-site soil conditions, occupancy, and the configuration of the structure including the structural system and height. Compliance with the CBC and the below outlined mitigation measure would ensure seismic group shaking impacts would be at a less than significant level. **Mitigation Measure MM GEO-1** would require the project applicant to submit design level geotechnical study to the City of Hanford for review. Therefore, with the project conforming to the latest CBC Building Codes and **Mitigation Measure MM GEO-1**, impacts due to strong seismic ground shaking would be less than significant.

Mitigation Measure

MM GEO-1: **Final Geotechnical Report**. Prior to issuance of building permits, the project applicant shall submit a design-level geotechnical study and building plans to the City of Hanford for review and approval. The design-level geotechnical study shall evaluate site-specific geologic and seismic hazards, including liquefaction potential, seismic settlement, lateral spreading, compressible soils, and regional land subsidence, and shall provide design-level recommendations to address these conditions. The geotechnical recommendations shall be incorporated into the project design to prevent structural damage, infrastructure failure, or safety

hazards that could result from geotechnical conditions. The building plans shall demonstrate that they incorporate all applicable recommendations of the design-level geotechnical study and comply with all applicable requirements of the most recent version of the California Building Standards Code. A licensed professional engineer shall prepare the plans, including those that pertain to soil engineering, structural foundations, pipeline excavation, and installation. The approved plans shall be incorporated into the proposed project. All onsite soil engineering activities shall be conducted under the supervision of a licensed Geotechnical Engineer or Certified Engineering Geologist.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant with Mitigation Incorporated. Seismically induced liquefaction occurs when loose, water-saturated sediments of relatively low density are subjected to cyclic shaking that causes soils to lose strength or stiffness because of increased pore water pressure. The project does not fall within or near an Alquist-Priolo Fault Hazard Zone, Landslide Zone, or Liquefaction Zone as designated on the Department of Conservations (DOC) map viewer (DOC, 2024). The project site is not designated within one of the above zones and all structures included in the project would be required by State law to be constructed in accordance with all applicable International Building Code (IBC) and CBC earthquake construction standards, including those relating to soil characteristics, and would adhere to **Mitigation Measure MM GEO-1**. The potential for substantial adverse effects to the project due to seismic-related ground failure, including liquefaction, would therefore be less than significant after mitigation is incorporated.

iv) Landslides?

Less Than Significant Impact. The project site is located in a generally flat area and does not contain any steep slopes that could result in landslides on or in the vicinity of the project site. Also identified in the Seismic hazards Map by the California Geological Survey, there are no landslide zone boundaries that fall within the project site (DOC, 2011). The project would also conform with all applicable General Plan policies and additional federal, state, and local regulations. Therefore, impacts associated with landslides would be less than significant

b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant With Mitigation Incorporated. According to the project site plans prepared for the proposed project, development of the proposed project would result in the creation of new impervious surface areas on the proposed gas station. The development of the project site would also cause ground disturbance of topsoil. The ground disturbance would be limited to the areas proposed for grading and excavation, including the proposed internal roadways and drain infrastructure improvements. After grading and excavation, and prior to overlaying the disturbed ground surfaces with impervious surfaces and structures, the potential exists for wind and water erosion to occur, which could adversely affect downstream storm drainage facilities.

Without implementation of appropriate Best Management Practices (BMPs) related to prevention of soil erosion during construction, development of the project would result in a potentially significant impact with respect to soil erosion. BMPs would include wind erosion control measures consistent with San Joaquin Valley Air Pollution Control District (SJVAPCD) Rule 8021.**Mitigation Measure MM HYD-1** requires the project applicant to prepare and submit a Stormwater Pollution Prevention Plan identifying specific actions and BMPs to prevent stormwater pollution during construction activities. In addition, final drainage and grading plans shall incorporate erosion protection measures, as needed, to prevent on-site and off-site erosion and sedimentation. The SWPPP shall include, among other things, temporary erosion control measures to be employed for disturbed areas. Implementation of the following mitigation measure, therefore, would ensure the impact is less than significant.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less Than Significant With Mitigation Incorporated. The project site and surrounding areas are generally flat, which is not anticipated to result in significant landslides. However, according to the U.S. Geological Survey (USGS), the project site is located within an area affected by regional land subsidence. As previously mentioned, there are no active faults, Seismic Hazard Program Liquefaction Zones, or Alquist-Priolo Fault Hazard Zones on the project site. Subsidence is one factor that can cause unstable soil. To further prevent the above adverse effects all project components would be constructed in accordance with applicable City goals and policies, as well as Codes established by the CBC. All construction plans and related geotechnical plans and studies would be reviewed by the City further ensuring compliance with all building construction standards. Compliance with all construction standards would reduce the potential for an off-site landslide, lateral spreading, subsidence, liquefaction or collapse and reduce the impacts to a less than significant level. In addition, the project applicant would be required to submit a geotechnical investigation report to the City as part of **Mitigation Measure MM GEO-1**. As a result, with implementation of **Mitigation Measure MM GEO-1** and the SWPPP, impacts associated would be less than significant.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less Than Significant With Mitigation Incorporated. Expansive soils are those that undergo volume changes as moisture content fluctuates; swelling substantially when wet or shrinking when dry. Soil expansion can damage structures by cracking foundations, causing settlement and distorting structural elements. Expansion is a typical characteristic of clay-type soils. Expansive soils shrink and swell in volume during changes in moisture content, such as a result of seasonal rain events, and can cause damage to foundations, concrete slabs, roadway improvements, and pavement sections. Soil expansion is dependent on many factors. The more clayey, critically expansive surface soil and fill materials would be subjected to volume changes during seasonal fluctuations in moisture content.

According to the USDA Web Soil Survey, the project site consists of approximately 100 percent Nord complex soils. The Nord complex consists of deep, well-drained alluvial soils occurring on nearly level valley fan landforms, with slopes of 0 to 2 percent. These soils are characterized by a fine sandy loam surface horizon over stratified sandy loam to loam, with moderately high to high permeability, low runoff potential, and no flooding or ponding hazards. Available water capacity is moderate to low, and salinity ranges from non-saline to slightly saline. These characteristics generally indicate low shrink-swell potential relative to clay-dominated soils.

There are no expansive (i.e., shrink-swell) soils within the project site. However, the potential for expansive soils at the project site will be further confirmed through laboratory testing conducted as part of the design-level geotechnical study required under **Mitigation Measure MM GEO-1**. According to the USDA Web Soil survey, the project site contains approximately 100% Nord complex soil throughout the site (USDA, 2024). Given the soil type identified on site, adherence to applicable Federal, State, and Local rules and regulations, and compliance with **Mitigation Measure MM GEO-1,** impacts would be less than significant.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

Less Than Significant Impact. Less Than Significant Impact. The project site would tie into existing 30-inch lateral sewer line along 12th Avenue within the public right of way. Therefore, the project would not involve a septic system and there would be a less than significant impact from incompatible soils.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant With Mitigation Incorporated. Based on review of available geologic mapping from the United States Geological Survey, the project site is underlain by Quaternary and Recent (Holocene) alluvial deposits.[7] These geologic units are relatively young in geologic terms (generally less than approximately 2.6 million years old, and in many cases less than approximately 11,700 years old). From a paleontological perspective, such young alluvial and basin deposits are generally considered to have low paleontological sensitivity. These deposits typically have a low likelihood of preserving significant fossil resources because insufficient time has elapsed for fossilization processes to occur extensively. Any materials encountered are more likely to consist of fragmentary or relatively recent biological remains. While Quaternary deposits can occasionally contain scientifically important fossils, such occurrences are typically localized and not widespread. Furthermore, the Bureau of Land Management (BLM) classifies Quaternary deposits as Class 2-Low[8], which is reserved for geologic units that are not likely to contain paleontological resources.[9]

[7] https://ngmdb.usgs.gov/Prodesc/proddesc_381.htm
[8] https://www.blm.gov/sites/default/files/uploads/IM2016-124_att1.pdf
[9] Supporting information found on page 36 at: https://www.blm.gov/sites/blm.gov/files/MT-DAKs%20MCFO%20EA%20May13.pdf

Accordingly, these geologic units are commonly assigned low to moderate paleontological sensitivity in the absence of documented fossil localities.

In addition, a records search conducted using the public Paleobiology Database[10] did not identify any recorded paleontological resources within the project site. No unique geologic features have been identified on or adjacent to the site.. Based on reviews of available geologic mapping and site reconnaissance, no unique geologic features are present on or adjacent to the project site. However, development of the proposed project could result in the discovery and disturbance of previously unknown or undiscovered paleontological resources. While fossils are not expected to be discovered during construction, it is possible that significant fossils could be discovered during excavation activities, even in areas with a low likelihood of occurrence. Fossils encountered during excavation could be inadvertently damaged. If a unique paleontological resource is discovered, the impact to the resource could be substantial. **Mitigation Measure MM GEO-2** would require that a qualified paleontologist monitor grading and excavation activities, and a paleontologist be notified if paleontological resources are found. If any scientifically important large fossil remains are uncovered, the paleontologist would have the authority to divert heavy equipment away from the fossil site. With implementation of **Mitigation Measure MM GEO-2** and consistency with City ordinances, policies and goals, impacts associated with paleontological resources would be less than significant.

Mitigation Measures

MM GEO-2: **Paleontological Monitor** Prior to issuance of improvement plans, the City shall ensure that a qualified paleontologist shall be retained to prepare a Paleontological Resources Monitoring and Mitigation Plan (PRMMP). This plan will address specifics of monitoring and mitigation and comply with the recommendations of the Society of Vertebrate Paleontology's 2010 Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. All ground disturbances in the project area that occur in previously undisturbed native sediment with high paleontological sensitivity will require monitoring. The project Paleontologist may periodically inspect construction activities to adjust the level of monitoring in response to subsurface conditions. In the event that any potentially significant paleontological resources are discovered, the paleontological monitor shall stop work inside a zone designated by him/her where additional paleontological resources could be found. A plan for the evaluation of the resource shall be submitted to the Community Development Department for approval.

Cumulative Impacts

Geology and soil-related impacts are generally site-specific and are determined by a particular site's soil characteristics, topography, and proposed land uses. Past, present, and reasonably foreseeable future projects in the region could incrementally increase exposure of people and structures to existing geologic

[10] Information found at Paleobiology Database Interactive Mapper found at : https://paleobiodb.org/navigator/

hazards, including seismic ground shaking and related secondary effects. Long-term impacts related to geology include the exposure of people to the potential for seismically induced ground shaking. Implementation of other cumulative projects would incrementally increase the number of people and structures subject to a seismic event. Seismic and geologic significance would be considered on a project-by-project basis through the preparation of a design-level geotechnical study, and such exposures would be minimized through strict engineering guidelines as they pertain to protection against known geologic hazards and potential geologic and soil related impacts. The proposed project would not contribute substantially to any cumulatively considerable geologic and/or paleontological impacts with the implementation of **Mitigation Measures MM GEO-1** and **MM GEO-2**. Therefore, cumulative effects of increased seismic risk would be less than significant.

5.8 GREENHOUSE GAS EMISSIONS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?		**X**		
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?		**X**		

REGULATORY SETTING

Federal

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Additional provisions of the Energy Independence and Security Act (EISA) address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."

U.S. Environmental Protection Agency Endangerment Finding. The U.S. Environmental Protection Agency's (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in

Massachusetts v. EPA (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the EPA finalized an endangerment finding in December 2009. Based on scientific evidence, it found that six GHGs – carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6) – constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

Federal Vehicle Standards. In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the EPA is currently proposing to revert the vehicle fuel efficiency standards to a lower baseline and annual increase.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baseline.

In August 2016, the U.S. EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program applies to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards lower CO_2 emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to two billion barrels over the lifetime of the vehicles sold under the program.

On March 31, 2020, the U.S. EPA and NHTSA finalized rulemaking for the Safer Affordable Fuel Efficient (SAFE) Rule Part Two, which sets CO_2 emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026. The EPA finalized the rescission of the Endangerment Finding on February 12, 2026. The action repeals federal GHG

emissions standards for light-, medium-, and heavy-duty on-highway vehicles and engines. However, CAFE fuel-economy requirements and traditional air pollutant standards remain in place. It should be noted that the finding is subject to an administrative challenge and several petitions in federal district court.

GHG and fuel economy standards for on-road vehicles have evolved significantly since their initial adoption. These actions reflect the continuation and strengthening of federal regulations that indirectly aid the reduction of GHG emissions.

State

California Air Resources Board. The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO_2e in the world and produced 371.1 million gross metric tons of CO_2e in 2022. In the state, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark AB 32 California Global Warming Solutions Act of 2006, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major legislation related to GHG emissions reduction.

Assembly Bill 32 (California Global Warming Solutions Act of 2006). AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

CARB Scoping Plan. Adopted December 15, 2022, CARB's *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045 in accordance with AB 1279. To achieve the targets of AB 1279, the 2022 Scoping Plan relies on existing and emerging fossil fuel alternatives and clean technologies, as well as carbon capture and storage. Specifically, the 2022 Scoping Plan focuses on zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen.

The key elements of the 2022 CARB Scoping Plan focus on transportation. Specifically, the 2022 Scoping Plan aims to rapidly move towards zero-emission transportation (i.e., electrifying cars, buses, trains, and trucks), which constitutes California's single largest source of GHGs. The regulations that impact the transportation sector are adopted and enforced by CARB on vehicle manufacturers and are outside the

jurisdiction and control of local governments. The 2022 Scoping Plan accelerates development of new regulations as well as amendments to strengthen regulations and programs already in place.

Included in the 2022 Scoping Plan is a set of Local Actions (2022 Scoping Plan Appendix D) aimed at providing local jurisdictions with recommendations to reduce GHGs and assist the state in meeting the ambitious targets set forth in the 2022 Scoping Plan. Appendix D to the 2022 Scoping Plan is not regulatory, is not exhaustive, and does not include everything local governments can implement to support the State's climate goals. It focuses primarily on climate action plans (CAPs) and local authority over new residential development. It includes a section on evaluating plan-level and project-level alignment with the State's Climate Goals in CEQA GHG analyses. In this section, CARB identifies several recommendations and strategies that should be considered for new development in order to determine consistency with the 2022 Scoping Plan. CARB specifically states that Section 3 of Appendix D, which discusses land use plans and development projects, does not address land uses other than residential and mixed-use residential, such as industrial. However, CARB plans to explore new approaches for other land use types in the future.

CARB Advanced Clean Truck Regulation. CARB adopted the Advanced Clean Truck Regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024.[11] By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.
- Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others would be required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, would be required to report about their existing fleet operations. This information would help identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

On January 13, 2025, CARB withdrew its requests for FCAA waivers from the U.S. EPA needed to support four adopted vehicle emissions regulations: (1) the Advanced Clean Fleets Regulations; 2) the In-Use Locomotive Regulations; 3) part of the Commercial Harbor Craft and Ocean-Going Vessels At-Berth Regulations; and 4) part of the Transport Refrigeration Unit Engine Standards Regulations. The implementation of these regulations is currently unknown.

[11] The Advanced Clean Truck regulation, which requires manufacturers to sell increasing percentages of zero-emission vehicles, was granted a separate waiver in 2023. On May 22, 2025, the U.S. Senate voted to revoke the waiver granted by the Biden administration for California's ACT rule. On June 12, 2025, President Trump formally nullified the California's ACT rule (Congressional Resolution H.J. Res 87).

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit. Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008). Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies. The Project site is within the jurisdiction of the Kings County Association of Governments, which serves as the region's metropolitan planning organization and is responsible for preparing the applicable regional transportation plan and SCS.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards). AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO_2e emissions and 75 percent fewer smog-forming emissions. In 2018, the EPA proposed the SAFE Vehicles Rule, which would roll back fuel economy standards and revoke California's waiver. However, in December 2021, the NHTSA repealed the SAFE Vehicle Rule Part One.

SB 1368 (Emission Performance Standards). SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the state. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO_2 per megawatt-hour.

SB 1078, SB 107 and SBX1-2 (Renewable Electricity Standards). SB 1078 required California to generate 20 percent of its electricity from renewable energy by 2017. This goal was accelerated with SB 107, which changed the due date to 2010 instead of 2017. On November 17, 2008, Executive Order S-14-08 established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the state's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SB X1-2 codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015). Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 45 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms). Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans). Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e., 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

SB 100 and SB 1020 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases). Signed into law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045. SB 1020 provides additional goals for the path to the 2045 goal of 100 percent clean electricity retail sales. It creates a target of 90 percent clean electricity retail sales by 2035 and 95 percent clean electricity retail sales by 2040.

AB 1346 (Air Pollution: Small Off-Road Engines). Signed into law in October 2021, AB 1346 requires CARB, to adopt cost-effective and technologically feasible regulations to prohibit engine exhaust and evaporative emissions from new small off-road engines, consistent with federal law, by July 1, 2022. The bill requires CARB to identify and, to the extent feasible, make available funding for commercial rebates or similar incentive funding as part of any updates to existing applicable funding program guidelines to local air pollution control districts and air quality management districts to implement to support the transition to zero-emission small off-road equipment operations.

AB 1279 (The California Climate Crisis Act). AB 1279 establishes the policy of the State to achieve carbon neutrality as soon as possible, but no later than 2045; to maintain net negative GHG emissions thereafter; and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. The bill requires CARB to ensure that Scoping Plan updates identify and recommend measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO_2 removal solutions and carbon capture, utilization, and storage technologies.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the state's tone and guide the actions of state agencies.

Executive Order S-3-05. Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce greenhouse gas emissions to 2000 levels.
- By 2020, reduce greenhouse gas emissions to 1990 levels.
- By 2050, reduce greenhouse gas emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07. Issued on January 18, 2007, Executive Order S-01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the "life-cycle carbon intensity" of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the state's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S- 21- 09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the state come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California's Renewable Portfolio Standard (RPS) to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO_2e ($MMTCO_2e$). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the state's climate adaptation plan to be updated every three years and for the state to continue its climate change research program, among

other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18. Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

Executive Order N-79-20. Issued on September 23, 2020, Executive Order N-79-20 established a goal to end the sales of new internal combustion engine vehicles in the state as soon as possible, and no later than 2035, and continue to phaseout fossil-fueled cars and trucks. By setting a course to end sales of internal combustion passenger vehicles by 2035, the Governor's Executive Order establishes a target for the transportation sector that helps put the state on a path to carbon neutrality by 2045. It is important to note that the Executive Order focuses on new vehicle sales for automakers, and therefore does not require Californians to give up the existing cars and trucks they already own.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat, even with rapid population growth.

Title 20 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy-and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6) was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The California Energy Commission (CEC) adopted the 2025 Energy Code on September 11, 2024, which was subsequently approved by the California Building Standards Commission for inclusion into the California Building Standards Code. The 2025 Energy Code requires electric heat pumps for space and water heating in most new residential and commercial buildings, expands solar photovoltaic and battery storage requirements to more building types, and

mandates electric-ready infrastructure to support future appliance electrification. Projects whose permit applications are applied for on or after January 1, 2026, must comply with the 2025 Energy Code.[12]

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The current 2025 CALGreen Code was adopted in 2024 and went into effect January 1, 2026. Projects whose permit applications are applied for on or after January 1, 2026, must comply with the 2025 CALGreen Code.[13]

California Vehicle Regulations

Advanced Clean Cars I and II

Advanced Clean Cars combines several regulations into one package including the Low-Emission Vehicle (LEV) criteria and greenhouse gas regulations and the zero-emission vehicle (ZEV) regulation. Advanced Clean Cars I was adopted in 2012 and Advanced Clean Cars II was adopted in 2022. These regulations rapidly scale down emissions of light-duty passenger cars, pickup trucks and SUVs and require an increased number of zero-emission vehicles to meet air quality and climate change emissions goals. By 2035 all new passenger cars, trucks and SUVs sold in California will be zero emissions. The Advanced Clean Cars II regulations take the State's already growing zero-emission vehicle market and robust motor vehicle emission control rules and augments them to meet more aggressive tailpipe emissions standards and ramp up to 100% zero-emission vehicles.

CARB Advanced Clean Fleets Regulation

CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requires fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology.[14]

California Energy Commission, *Energy Commission Adopts Updated Building Standards Expanding Requirements for Heat Pumps and Electric-Ready Buildings*, https://www.energy.ca.gov/news/2024-09/energy-commission-adopts-updated-building-standards-expanding-requirements-heat, accessed July 2025.

California Energy Commission, *California Energy Commission September 11, 2024 Business Meeting Backup Materials for Item 08: Adoption of Voluntary Standards in the 2025 California Green Building Standards Code*, https://www.energy.ca.gov/filebrowser/download/6637?fid=6637, accessed July 2025.

[14] On January 13, 2025, California withdrew its request for federal approval of the Advanced Clean Fleets and is evaluating next steps. CARB will not enforce portions of the regulation requiring federal authorization, such as those affecting high-priority and drayage fleets. However, State and local government fleet requirements remain unchanged. (Source: California Air Resources Board, *ACF Waiver Update*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets. Accessed February 2025.)

Regional and Local

San Joaquin Valley Air Basin Air Quality Management District

The San Joaquin Valley Air Pollution Control District (SJVAPCD) is made up of eight counties in California's Central Valley: San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, and the San Joaquin Valley Air Basin portion of Kern. The City of Hanford and the project site are located within the jurisdiction of the SJVAPCD. The SJVAPCD adopted a Climate Change Action Plan in August 2008. However, the State has enacted several significant GHG reduction measures since the adoption of the Climate Change Action Plan. Therefore, this analysis does not address the SJVAPCD Climate Change Action Plan; refer to the *Thresholds* discussion below.

City of Hanford Climate Action Plan

The City of Hanford adopted the Final Regional Climate Action Plan (CAP) on May 28, 2014. The CAP is a long-term planning document that outlines cost-effective strategies to reduce GHG emissions within Kings County. The CAP goals align with AB 32 and the States efforts to reduce GHG emissions to 1990 levels by 2020.

City of Hanford General Plan

The Hanford General Plan includes multiple objectives, policies, and programs to alleviate GHG emissions and potential effects that may lead to climate change. The General Plan includes the following relevant GHG guidelines, which are applicable to the project:

OBJECTIVE AQ 4: Accurately assess and mitigate potentially significant local and regional air quality and climate change impacts from proposed projects within the City. Where possible and financially feasible, retrofit existing uses and activities to reduce emissions and climate change impacts.

Policy AQ 4.2: Assess and mitigate project greenhouse gas/climate change impacts using analysis methods and significance thresholds as defined or recommended by the San Joaquin Valley Air Pollution Control District.

Program AQ 4.1: The City will advise consultants to use San Joaquin Valley Air Pollution Control District Guidelines for preparing air and climate change assessments and will refer California Environmental Quality Act documents to the San Joaquin Valley Air Pollution Control District for review and comment on potential air quality and greenhouse gas impacts and for recommendations regarding air quality mitigation measures and greenhouse gas Best Performance Standards.

Policy AQ 4.4: Identify and maintain an ongoing inventory of the cumulative transportation, air quality, and climate change impacts of all general plan amendments approved during each year.

Program AQ 4.2: The City will provide project applicants with the San Joaquin Valley Air Pollution Control District's Best Performance Standards list for greenhouse gas reductions

when available, and will work with applicants to incorporate design features that reduce emissions.

OBJECTIVE AQ 7: Increase the use of energy conservation features, renewable sources of energy and low-emission equipment in new and existing development projects within the City.

Program AQ 7.1: The City will work with the Kings County Economic Development Corporation to attract businesses that provide local employment and use or provide green/renewable energy and related products.

Policy AQ 7.2: Initiate and sustain ongoing efforts with local water and energy utilities and developers to establish and implement voluntary incentive based programs to encourage the use of energy efficient designs and equipment in new and existing development projects within the City.

Policy AQ 7.3: Support and recognize developers proposing projects that comply with the state's Green Building Standards voluntary tier levels or other enhanced energy conservation and sustainable rating systems such as LEED certification, Greenpoint Rating, and Energy Star.

Policy AQ 7.5: City staff will proactively work with the California Energy Commission, local water and energy utilities, industry, and other potential partners to seek funding sources and implement programs which reduce water and energy use, reduce air emissions and reduce the creation of greenhouse gases.

Program AQ 7.2: Track conservation related grant and incentive programs and provide this information to public and private sector partners through the city's website, email distribution lists, and other outreach opportunities.

Policy AQ 7.6: Encourage the use of solar-ready roofs into residential and commercial development. New residential development should include proper solar orientation (south facing roof area sloped at 20° to 55° from the horizontal), clear access on the south sloped roof (no chimneys, heating vents, plumbing vents, etc.), electrical conduit installed for solar electric system wiring, plumbing installed for solar hot water systems, and space provided for a solar hot water storage tank. Roofs for commercial development should be designed to maximize potential area available for solar panels and provide electrical conduit to support future installation.

Program AQ 7.3: The City will work with the building industry to incorporate designs improving solar readiness into building plans through voluntary green building guidelines.

OBJECTIVE AQ 10: Identify and achieve greenhouse gas emission reduction targets consistent with the City's proportionate fair share as may be allocated by the California Air Resources Board and Kings County Association of Governments. Policy AQ 10.1: As recommended in the San Joaquin Valley Air Pollution Control District's Guidance for

Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects under CEQA (December 2009), the City establishes an initial goal of reducing greenhouse gas emissions from development projects within its authority by 29 percent below year 2020 business as usual emissions. The City will also work with Kings County Association of Governments to ensure that it achieves its proportionate fair share reduction in greenhouse gas emissions as may be identified under the provisions of SB 375 (2008 Chapter 728) for any projects or activities requiring approval of Kings County Association of Governments.

Policy AQ 10.4: The City will participate in the Sustainable Communities Strategy/Regional Blueprint Planning effort and will ensure that local plans are consistent with the Regional Plan.

ENVIRONMENTAL SETTING

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are CO_2, CH_4, and N_2O. Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), HFCs, PFCs, SF_6, and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO_2 is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO_2 emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO_2 emissions remains stored in the

atmosphere.[15] *Table 5.8-1: Description of Greenhouse Gases* describes the primary GHGs attributed to global climate change, including their physical properties.

Table 5.8-1: Description of Greenhouse Gases

Greenhouse Gas	Description
Carbon Dioxide (CO_2)	CO_2 is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO_2 emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO_2 is variable because it is readily exchanged in the atmosphere. CO_2 is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N_2O)	N_2O is largely attributable to agricultural practices and soil management. Primary human-related sources of N_2O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N_2O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N_2O is approximately 120 years. The Global Warming Potential of N_2O is 298.
Methane (CH_4)	CH_4, a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH_4 include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH_4 is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF_6)	SF_6 is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF_6 is 23,900.
Hydrochlorofluoro-carbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent

[15] Intergovernmental Panel on Climate Change, Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, 2013. https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_all_final.pdf. Accessed July 2025.

Greenhouse Gas	Description
	reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF_3)	NF_3 was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.
Source: Compiled from U.S. EPA, *Overview of Greenhouse Gases*, (https://www.epa.gov/ghgemissions/overview-greenhouse-gases), 2018; U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018; Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007; National Research Council, Advancing the Science of Climate Change, 2010; U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, April 2010.	

GHG THRESHOLDS

Based upon the criteria derived from State CEQA Guidelines Appendix G, a project normally would have a significant effect on the environment if it would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Section 8.3 of the City's General Plan identifies SJVAPCD as the applicable air district for air quality matters. However, the SJVAPCD has not adopted a numeric threshold of significance for GHG emissions under CEQA. In the absence of an adopted local GHG threshold, CEQA allows lead agencies to rely on thresholds developed by other air districts or agencies, provided those thresholds are supported by substantial evidence and are consistent with statewide climate policy.

The Bay Area Air Quality Management District (BAAQMD) has adopted GHG significance thresholds that are based on California's long-term climate goals, including Assembly Bill 32, Senate Bill 32, and the State's 2030 and 2050 emissions reduction targets. These thresholds are widely used by lead agencies throughout California, including in air districts that have not adopted their own numeric GHG thresholds, and have been upheld in CEQA practice as a reasonable and conservative screening tool.

Accordingly, the BAAQMD GHG significance thresholds are used in this analysis to evaluate the Project's GHG emissions in a manner that is consistent with CEQA, statewide climate policy, and available guidance, notwithstanding the absence of an adopted SJVAPCD GHG threshold.

BAAQMD's approach to developing significance criteria for GHG emissions for local development projects that are not stationary sources is to identify features that, if included, would show that the project would not interfere with the state's goal to have net zero emissions by 2045. Under the BAAQMD thresholds a project that meets either A or B is a project that would make a less than cumulatively considerable contribution to significant cumulative climate change impacts:

A. Projects must include, at a minimum, the following project design elements:
    1. Buildings
        a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).

b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.

2. Transportation
   a. The project will achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target that reflects the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:
      i. Residential projects: 15 percent below the existing VMT per capita
      ii. Office projects: 15 percent below the existing VMT per employee
      iii. Retail projects: no net increase in existing VMT
   b. Achieve compliance with electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

B. Be consistent with a local GHG Reduction Strategy that meets the criteria under the CEQA Guidelines section 15183.5(b) C

A qualified GHG Reduction Strategy adopted by a local jurisdiction should include the following elements as described in the State CEQA Guidelines Section 15183.5(b)(1):

i. Quantify GHG emissions, both existing and projected over a specified time period, resulting from activities within a defined geographic area;
ii. Establish a level, based on substantial evidence, below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable;
iii. Identify and analyze the GHG emissions resulting from specific actions or categories of actions anticipated within the geographic area;
iv. Specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level;
v. Establish a mechanism to monitor the plan's progress toward achieving the level and to require amendment if the plan is not achieving specified levels; and
vi. Be adopted in a public process following environmental review

Neither SJVAPCD nor BAAQMD has an adopted threshold of significance for construction-related GHG emissions. However, the BAAQMD recommends quantification and disclosure of construction GHG emissions. The BAAQMD also recommends that the Lead Agency should make a determination on the significance of these construction generated GHG emission impacts in relation to meeting AB 1279 GHG reduction goals, as required by the Public Resources Code, Section 21082.2. The Lead Agency is encouraged to incorporate best management practices to reduce GHG emissions during construction, as feasible and applicable.

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact with Mitigation.

Short-Term Construction Greenhouse Gas Emissions

Construction of the project would result in direct emissions of CO_2, N_2O, and CH_4 from the operation of construction equipment and the transport of materials and construction workers to and from the project site. SJVAPCD does not have a threshold for construction GHG emissions, which are one-time, short-term *emissions* and therefore would not significantly contribute to long-term cumulative GHG emissions impacts of the proposed project. However, the SJVAPCD advises that construction GHG emissions should be disclosed and a determination on the significance of construction GHG emissions in relation to meeting the State's GHG reduction goals should be made. Total GHG emissions generated during all phases of construction were combined and are presented in *Table 5.8-2: Construction Greenhouse Gas Emissions*. CalEEMod (version 2022.1.1.29) outputs are contained within Appendix A.

Table 5.8-2: Construction Greenhouse Gas Emissions

Year	$MTCO_2e$[1]
2026	197
2027	61
Total Construction Emissions	**258**
30-Year Amortized Construction Emissions	9

$MTCO_2e$ = metric tons of carbon dioxide equivalent.
1. Due to Rounding, Total $MTCO_2e$ may be marginally different from CalEEMod output.
Source: Refer to Appendix A for model outputs.

As shown in *Table 5.8-2*, project construction-related activities would generate approximately 258 $MTCO_2e$ of GHG emissions over the course of construction. Construction GHG emissions are typically summed and amortized over a 30-year period, then added to the operational emissions. The amortized Project construction emissions would be 9 $MTCO_2e$ per year. Once construction is complete, the generation of construction-related GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

Operational or long-term emissions would occur over the project's life. GHG emissions would result from direct emissions such as project generated vehicular traffic and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators. Total GHG emissions associated with the project are summarized in *Table 5.8-3: Operational Greenhouse Gas Emissions*. As shown in *Table 5.8-3*, the project's GHG emissions would be approximately 4,456 $MTCO_2e$ per year.

Table 5.8-3: Operational Greenhouse Gas Emissions

Emission Source	Annual $MTCO_2e$[1]
Area Source	<1
Energy (Electricity)[2]	73
Energy (Natural Gas)[2]	0
Mobile	4,154
Waste	6
Water	1
Refrigerant	205
Backup Generator	8
30-Year Amortized Construction Emissions	9
Total	**4,456**

$MTCO_2e$ = metric tons of carbon dioxide equivalent.
1. Due to rounding, total $MTCO_2e$ may be marginally different from CalEEMod outputs.
2. With implementation of **Mitigation Measure MM GHG-1**, the project would be an all-electric development, not utilizing any natural gas.
Source: Refer to Appendix A for model outputs.

It should be noted that the project would comply with the 2025 Title 24 Part 6 Building Energy Efficiency Standards. The standards require electric heat pumps, solar photovoltaic and battery storage, and electric-ready infrastructure. The project would also comply with the appliance energy efficiency standards in Title 20 of the California Code of Regulations. The Title 20 standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances. The project would be constructed according to the standards for high-efficiency water fixtures for indoor plumbing and water efficient irrigation systems required in 2025 Title 24, Part 11 (CALGreen). The GHG emissions shown in *Table 5.8-3* conservatively do not include reductions associated with the 2025 Title 24 Part 6 Building Energy Efficiency Standards.

At the State and global level, improvements in technology, policy, and social behavior can also influence and reduce operational emissions generated by a project. The state is currently on a pathway to achieving the Renewable Portfolio Standards goal of 60 percent renewables by 2030 per SB 100.

The majority of project emissions would occur from mobile and energy sources. Energy and mobile sources are targeted by statewide measures such as low carbon fuels, cleaner vehicles, strategies to promote sustainable communities and improved transportation choices that result in reducing VMT, continued implementation of the Renewable Portfolio Standard (the target is now set at 60 percent renewables by 2030), and extension of the Cap-and-Trade program (requires reductions from industrial sources, energy generation, and fossil fuels). The Cap-and-Trade

program covers approximately 85 percent of California's GHG emissions as of January 2015. The statewide cap for GHG emissions from the capped sectors (i.e., electricity generation, industrial sources, petroleum refining, and cement production) commenced in 2013 and will decline approximately three percent each year, achieving GHG emission reductions throughout the program's duration. The passage of AB 398 in July 2017 extended the duration of the Cap-and-Trade program from 2020 to 2030.

According to the BAAQMD, the project would result in less than significant GHG impacts if the following project design features were met:

1. Buildings
    a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
    b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.
2. Transportation
    a. The project will achieve a reduction in project-generated VMT below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target that reflects the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:
        i. Residential projects: 15 percent below the existing VMT per capita
        ii. Office projects: 15 percent below the existing VMT per employee
        iii. Retail projects: no net increase in existing VMT
    b. Achieve compliance with electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.

To further reduce GHG emissions the project would implement **Mitigation Measures GHG-1 and MM GHG-2**. **Mitigation Measure MM GHG-1** would require the project to use all-electric appliances and end uses instead of natural gas. **Mitigation Measure MM GHG-2** would require the project to meet CALGreen Tier 2 electric vehicle requirements. As discussed in *Section 5.17, Transportation,* the project is considered a local-serving retail use and the facility itself is not expected to be the principal catalyst for new trips. The proposed uses would not generate new demand, rather they would satisfy existing demand that would therefore shorten the distance that customers would otherwise travel. Therefore, the project would meet the transportation design features identified by BAAQMD for retail projects. Further, as discussed in *Section 5.6*, *Energy*, the project would not result in any wasteful, inefficient, or unnecessary use of energy. Therefore, with implementation of **Mitigation Measure MM GHG-1** and **Mitigation Measure MM GHG-2**, the project would meet the BAAQMD GHG significance criteria and impacts would be less than significant.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact with Mitigation.

The City of Hanford adopted the Final Regional Climate Action Plan (CAP) on May 28, 2014. The CAP is a long-term planning document that outlines cost-effective strategies to reduce GHG emissions within Kings County. The CAP's goals align with AB 32 and the States efforts to reduce GHG emissions to 1990 levels by 2020. The CAP includes policies aimed at reducing GHG emissions associated with new development. The project has been evaluated for consistency with these applicable policies, as summarized below in *Table 5.8-4: Project CAP Consistency*.

Table 5.8-4: Project CAP Consistency

CAP Policy	Project Consistency
E-4.2: Work with the building industry to incorporate designs improving solar readiness into building plans through voluntary green building guidelines.	**Consistent:** The project will comply with Title 24 solar readiness requirements for new nonresidential developments.
E-5.2: Provide project applicants with green building resources, including the SJVAPCD's Best Performance Standards list for GHG reductions, and promote workshops offered by community organizations.	**Consistent:** The project will incorporate GHG reduction features as required by SJVAPCD rules, Title 24 standards, and City requirements.
TL-2.4: Encourage the installation of adequate and secure bicycle parking at all multi-family residential, commercial, governmental, and recreational locations throughout the region.	**Consistent:** The project will comply with Title 24 bicycle parking requirements
TL-2.5: Support land use planning that will promote pedestrian and bicyclist access to and from new development by encouraging land use and subdivision designs that provide safe bicycle and pedestrian circulation, including bicycle parking facilities and internal bicycle and pedestrian routes, where feasible.	**Consistent:** The project will comply with Title 24 bicycle parking requirements and City design standards related to pedestrian access.
$MTCO_2e$ = metric tons of carbon dioxide equivalent. 1. Due to rounding, total $MTCO_2e$ may be marginally different from CalEEMod outputs. Source: Refer to Appendix A for model outputs.	

Since adoption of the CAP in 2014, the State has enacted several significant GHG reduction measures, including AB 1279. AB 1279 sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045. As discussed above, the BAAQMD GHG significance criteria aligns with the State's goal to meet net zero emissions by 2045, and the project was determined to be consistent with the BAAQMD GHG significance criteria with implementation of **Mitigation Measure MM GHG-1** and **Mitigation Measure MM GHG-2**. Therefore, implementation of the project would not conflict with an

applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions, and impacts would be less than significant.

Mitigation Measures:

MM GHG-1: **Require All-Electric Development.** Prior to the issuance of building permits, the Building Department shall confirm that building plans require the project to use all-electric appliances, and end uses instead of natural gas. The project shall not include natural gas utility lines or connections.

MM GHG-2: **CALGreen Tier 2 Electric Vehicle Requirements.** Prior to the issuance of a building permit, the Project Applicant or successor in interest shall provide documentation to the Building Department demonstrating that the project is designed to meet or exceed 2025 CALGreen Tier 2 electric vehicle requirements in effect at the time of building permit application.

Cumulative Impacts

It is generally the case that an individual project of the project's size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of project-related GHG emissions would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the project as well as other cumulative related projects, would be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As discussed in 5.8 b) above, the project would not conflict with any GHG reduction plan. Therefore, the project's cumulative contribution of GHG emissions would be less than significant and the project's cumulative GHG impacts would also be less than cumulatively considerable.

5.9 HAZARDS AND HAZARDOUS MATERIALS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			**X**	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			**X**	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			**X**	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?			**X**	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?			**X**	
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			**X**	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			**X**	

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact.

Construction

Any potentially hazardous materials used during project construction would be handled on-site. This generally includes paints and solvents and other petroleum-based products, usually used for on-site construction equipment and for building exterior finishes. The use or handling of these potentially hazardous materials would be short-term only during the construction phase of project. Although these materials could be stored on-site, they would be required to comply with the guidelines established by the City of Hanford. The transport, removal, and disposal of hazardous materials on the project site would be conducted by a permitted and licensed service provider consistent with federal, state, and local requirements including the EPA, the California Department of Toxic Substances Control (DTSC), the California Occupational Safety and Health Administration (Cal/OSHA), Caltrans, the Resource Conservation and Recovery Act, and the Hanford Fire Department (HFD). With the compliance with local, state, and federal regulations short-term construction impacts associated with the handling, transport, use, and disposal of hazardous materials would be less than significant.

Operations

During project operations, widely used hazardous materials common at commercial/retail and office uses include cleaners, pesticides, and food waste would be present. The remnants of these and other products are disposed of as household hazardous waste that are prohibited or discouraged from being disposed of at local landfills. Regular operation and maintenance of the project structures would not result in significant impacts involving use, storage, transport or disposal of hazardous wastes and substances. Use of common commercial/retail and office hazardous materials and their disposal does not present a substantial health risk to the community Additionally, the project site is not included on the list of hazardous waste sites (Cortese List) compiled by the Department of Toxic Substances Control (DTSC) pursuant to Government Code § 65962.5 and therefore would not release known hazardous materials due to ground-disturbing activities.[16] Project impacts associated with the routine transport and use of hazardous materials or wastes would be less than significant.

Direct hazardous waste would be generated from landscaping involving the use of pesticides/herbicides and fertilizers. Landscaping maintenance best management practices (BMPs) would be conducted according to the California Stormwater Quality Associations; Stormwater BMPs which would reduce pesticides and fertilizers from running off-site. Indirect hazardous materials such as sediment, metals, oils and grease, trash/debris and other organic compounds that are usually known as stormwater pollutants would be captured via infiltration basins to avoid

[16] Department of Toxic Substances Control (DTSC) EnviroStor. 2024. *Hazardous Waste and Substances Site List.* https://www.envirostor.dtsc.ca.gov/public/map/?global_id=39990003. Accessed August 2024.

stormwater runoff from seeping off-site consistent with the City's stormwater management requirements.

Hazardous waste generated from the proposed vehicle service station could include cleaning agents, sediments, oil/grease, etc. The waste associated with this will conform to applicable federal, state, and local agency regulations. Proposed development is subject to the requirements of Chapter 12.08.170 of the Hanford Municipal Code. – Stormwater Management. The purpose of these requirements is in place with the goal to "minimize runoff and increase infiltration which recharges groundwater and improves water quality. Implementing stormwater best management practices into the landscape and grading design plans to minimize runoff and to increase onsite retention and infiltration are encouraged." These requirements are intended to assist in the protection and enhancement of the water quality of watercourses, water bodies, and wetlands in a manner pursuant to and consistent with the Federal Water Pollution Control Act (Clean Water Act, 33 USC Section 1251 et seq.), Porter- Cologne Water Quality Control Act (California Water Code Section 13000 et seq.) and National Pollutant Discharge Elimination System ("NPDES") Permit No. CAS000004, as such permit is amended and/or renewed.

Operations of the gas station would include the use, transport and handling of hazardous materials. Specifically, operation activities would include the regular transportation of gasoline to refill USTs, refilling USTs and pumping gasoline to fuel dispensers, and regular use of the fuel dispensers by motorists. As a result, the proposed Maverik gas station could result in potentially adverse impacts to people and the environment as a result of hazardous materials being accidentally released into the environment (e.g., operators or motorists could spill gasoline while refueling, USTs or pipes dispensing fuel from USTs could leak, automobiles could crash into fuel dispensers, or motorists could refuel while having engine running causing a fire hazard). However, the proposed gas station would be required to operate in compliance with all with applicable federal, state, and local requirements which lessen the potential for these impacts. Some of these regulations include:

- California State Water Resources Control Board (SWRCB) Health and Safety Code, Section 25280, underground storage tanks (USTs) installed after 1988 are required to have a leak detection system consisting of at least one of the following detection methods: secondary containment with interstitial monitoring, automatic tank gauging systems (including continuous automatic tank gauging systems), vapor monitoring (including tracer compound analysis), groundwater monitoring, statistical inventory reconciliation, or other method meeting established performance standards.
- Efficacy requirements established by Environmental Protection Agency (EPA) require that leak detection methods be able to detect certain leak rates and that they also give the correct answer consistently. In general, methods must detect the specified leak rate with a probability of detection of at least 95 percent and a probability of false alarm of no more than 5 percent. EPA found that, with effective leak detection, operators can respond quickly to signs of leaks and minimize the extent of environmental damage and the threat to human health and safety.
- USTs and associated fuel delivery infrastructure (i.e., fuel dispensers) would be required to comply with applicable federal, state, and local regulations, including those provisions

established by Section 2540.7, Gasoline Dispensing and Service Stations, of the California OSHA Regulations; Chapter 38, Liquefied Petroleum Gases, of the California Fire Code; the Resource Conservation and Recovery Act; and the County Fire Department Hazardous Materials Division.

- The proposed project would also be required to incorporate high-efficiency Phase I and Phase II enhanced vapor recovery (EVR) systems to capture and control gasoline fumes. EVR refers to a new generation of equipment to control emissions at gasoline dispensing facilities in California. EVR systems collect gasoline vapors that would otherwise escape into the atmosphere during bulk fuel delivery (Phase I) or fuel storage and vehicle refueling (Phase II). Since 2009, the installation of Phase I and Phase II EVR systems has been required for gasoline dispensing facilities.
- The fuel dispensers, USTs, and associated fuel delivery infrastructure would be subject to routine inspection by federal, state, and local regulatory agencies with jurisdiction over convenience service station facilities.
- The handling, transport, use, and disposal of hazardous materials must comply with applicable federal, state, and local agencies and regulations.
- In addition to compliance with local, state, and federal requirements, Maverick would take additional measures to prevent environmental and safety impacts. Some of these additional measures, which are proposed as project design features, include:
    - Product, vapor, and vent piping would be noncorrosive and would provide three levels of protection. First, product piping would be monitored with pressure line leak detection. Second, piping would be double walled to provide secondary containment. Third, fiberglass piping would be additionally monitored under vacuum in accordance with AB 2481 regulations such that, if a breach is detected in the vacuum, the product delivery system would shut down, and the system would sound an audible alarm.
    - Piping connections to the tanks and dispensers would be flexible. Flexible connectors would be used to prevent rupture from any form of ground movement.
    - Piping would slope to the pumps at the USTs. If a piping leak occurs, the gasoline would flow through the secondary pipe to the sump, where a sensor would be triggered to immediately shut down the system and activate an audible/visual alarm.
    - Tanks and dispensers would be equipped with the latest Phase I and Phase II EVR vapor recovery air pollution control equipment technology in accordance with the California Air Resources Board regulations and associated Executive Orders. The Phase I EVR equipment would control the vapors in the return path from the tanks back to the tanker truck during offloading filling operations. Phase I EVR systems are 98 percent effective in controlling fugitive emissions from escaping into the environment. Phase II EVR equipment, which also includes “in-station diagnostics,” would control and monitor the vapors in the return path from the

vehicles back to the tanks and are 95 percent effective in controlling fugitive emissions from escaping into the environment.

- The UST monitoring system incorporates automatic shutoffs. If gasoline is detected in the sump at the fuel dispenser, the dispenser would shut down automatically, and an alarm would sound. If a problem is detected with a tank, the tank would be automatically shut down, and an alarm would sound. If the product piping system detects a failure of the 0.1 gallons per hour test, the line would be automatically shut down, and the alarm would sound. Pursuant to federal requirements, monitoring equipment must be able to detect a minimum leak of 3 gallons per hour (equivalent to the accuracy of a mechanical leak detector). Each fuel dispenser would include several safety devices. Specifically, each dispenser sump would be equipped with an automatic shutoff valve to protect against vehicle impact. In addition, each fuel hose would include a breakaway device that would stop the flow of fuel at both ends of the hose in the event of an accidental drive-off. Also, each dispenser would be equipped with internal fire extinguishers. Lastly, dispensers would include leak detection sensors connected to the alarm console inside the controller closure.

Therefore, based on compliance with federal, state, and local regulations, and the incorporation of the proposed project design features, impacts associated with the handling, transport, use, and disposal of hazardous materials and the release of hazardous materials into the environment would be less than significant

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact. The project is located adjacent the Highway 198 Off-ramp to the north, 12th Avenue to the east, Hanford Armona Road to the south may have all been constructed prior to 1992 when lead was still being added to gasoline. Aerially deposited lead (ADL) contaminated soils may exist along roadsides up to 30 feet[17] from the pavement and within the top 6 inches of the soil. Development of the project does not include any disturbance of soils within 30 ft of Highway 198. The off ramp is over 30 feet from the project site boundaries and is far away enough from the project site that no ADL contaminated soils are expected to be encountered on the north boundary of the project site. At the time of potential ADL exposure, the distance between the paved Highway 198 and project site would be greater than 30 feet. 12th Avenue may not have been heavily utilized prior to 1992. Additionally, Hanford Armona Road is approximately 650 feet south of the project site. Although 12th Avenue is within the immediate vicinity of the project site, the proposed project would not install hardscape within there would be low potential for lead given that it was not heavily utilized prior to 1992. Furthermore, Highway 198 and Hanford Armona Road are over 30 feet away from the project site. Overall, there is not expected to be any ADL

[17] DTSC factsheet (available online here: https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/f0004055-caltrans-fs-a11y.pdf\)

contaminated soils on the project site. The project does not propose any widening of 12th Avenue. As such, potential impacts are considered less than significant.

Given the previous uses of the project site it is unlikely hazardous material would be discovered on-site. However, there is the potential for inadvertent discovery of hazardous waste from historic or future activities on or near the project site. At such time the proper agencies (i.e., fire department, DTSC, and/or Cal/OSHA), would be notified to determine what future actions and/or remediation would be required to identify the extent and potential impact to human health.

Overall, with compliance to federal, state, and local regulations, and the incorporation of the proposed project design features, impacts would be less than significant.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. There are no schools within 0.25 miles of the project site and as noted above the project would be in compliance with federal, state, and local regulations. As such, all preventive measures would be in place to limit the hazardous emissions and waste in such a way that would not impact the neighboring school. As such impacts are expected to be less than significant.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less than Significant Impact. There are no superfund sites or hazardous waste and substances sites (Cortese List) within the project site boundaries (Envirostor, 2024). Additionally, there are no known hazardous materials sites within the projects boundaries as identified on the State of California Geotracker Map (State Water Resources Control Board, 2024). Therefore, a less than significant impact associated with hazardous materials sites would occur.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Less than Significant Impact. There are no public airports or public use airports within 2 miles of the project site. The closest airport is Hanford Municipal Airport, approximately 2.52 miles east of the project site. Additionally, the project site does not fall within any airport land use plan boundaries and therefore impacts associated with a safety hazard or excessive noise would be less than significant.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The project is not anticipated to physically impede the existing emergency response plans, emergency vehicle access, or personnel access to the site. The project

would not change local roadway circulation patterns or access. Emergency vehicle access must be maintained at all times throughout construction activities, in accordance with the County's routine/standard construction specifications and would comply with the requirements of CA Fire Code Section 503, Fire Access. Further, construction activities would not be permitted to impede emergency access to any local roadways or surrounding properties. All driveways and internal site access roads would be constructed to accommodate all emergency vehicles and personnel. Site access for the project would be maintained on the southern edge of the side, along Hayden Avenue. Kings County released an Emergency Operations Plan (EOP) in November 2015. The primary purpose of the EOP is to outline the County's all-hazard approach to emergency operations to protect the safety, health, and welfare of its citizens throughout all emergency management mission areas. The project with the proposed zone change would be consistent with the site's current land use and zoning designations, and the project would not physically interfere with the EOP. As such, the project would have a less than significant impact associated with the impairment or interference with an adopted emergency response plan.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less Than Significant Impact. The project site is not located within an area identified as having wildland fire potential. Therefore, the project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. According to CALFIRE, the project site is not located in a Very High Fire Hazard Severity Zone (VHFHSZ) (CALFIRE, 2025). The project site is in a Local Responsibility Area (LRA), meaning the financial responsibility of preventing and suppressing wildfires is primarily the responsibility of a Local agency (city, county, city and county, or district). However, the geographic center of this parcel is located in an area that the State Fire Marshal has identified as having no Fire Hazard Severity Zone in Local Responsibility Area, per Government Code section 51178. As such, the project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. A Less Than Significant impact would occur.

Cumulative Impacts

The incremental effects of the proposed project related to hazards and hazardous materials, if any, are anticipated to be minimal, and any effects would be site-specific. The project is also not within an area classified as a VHFHSZ. Therefore, the proposed project would not result in incremental effects to hazards or hazardous materials that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects. The proposed project would not result in cumulatively considerable impacts to or from hazards or hazardous materials.

5.10 HYDROLOGY AND WATER QUALITY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?		**X**		
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			**X**	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial erosion or siltation on- or off-site?		**X**		
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?		**X**		
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?		**X**		
iv) Impede or redirect flood flows?		**X**		
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			**X**	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			**X**	

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less Than Significant With Mitigation Incorporated. The project site is located within the Tulare Lake Subbasin and is therefore subject to the jurisdiction of the Central Valley Regional Water Quality Control Board and the requirements of the Water Quality Control Plan for the Tulare Lake Basin Third Edition (Revised May 2018). The project would comply with applicable Basin Plan provisions and water quality objectives. There are no surface waters or wetlands located on or adjacent to the project site per the National Wetlands Inventory (USFWS, 2024). Under existing conditions, the project site is generally flat, and stormwater runoff flows via overland sheet flow toward adjacent drainage features, including roadside or agricultural ditches located along portions of the site boundaries.

The proposed project includes a fueling area with underground storage tanks (USTs). USTs would be designed, installed, and operated in accordance with applicable federal and State regulations, including requirements of the U.S. Environmental Protection Agency and the California State Water Resources Control Board (SWRCB) Underground Storage Tank Program, which would require underground storage tanks to be designed with multiple layers of protection, such as double-walled tanks and piping, corrosion-resistant materials, and continuous leak detection systems in order to prevent releases. They also mandate spill and overfill prevention equipment, regular inspections, and rapid response to any detected leaks, which together minimize the risk of fuel seeping into surrounding soil and groundwater. As noted in the Project Description, the proposed project would install double walled noncorrodible fiberglass underground storage tanks that are hooked up to non-corrodible flexible plastic piping. In the event of an emergency if any leak were to occur, the proposed project would have state-of-the-art leak detection equipment along with in-house resources who monitor issues in real time and immediately respond to conditions. Compliance with these regulatory requirements would minimize the potential for leaks or fuel migration to soil or groundwater and potential impacts are considered less than significant.

During the early stages of project construction activities, topsoil would be exposed due to grading, trenching for utilities, and other standard ground-disturbing activities. After grading and prior to overlaying the ground surface with impervious surfaces and structures, the potential exists for wind and water erosion to discharge sediment and/or urban pollutants into stormwater runoff, which could adversely affect water quality downstream.

The State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Construction General Permit, Order No. 2022-0057-DWQ) regulates stormwater discharges associated with construction activities where clearing, grading, or excavation results in land disturbances of one or more acres. The City's National Pollutant Discharge Elimination System (NPDES) permit requires applicants to show proof of coverage under the State's General Construction Permit prior to receipt of any construction permits. The State's General Construction Permit requires that subject projects must file a Notice of Intent with the SWRCB and develop a site-specific Storm Water Pollution Prevention Plan (SWPPP). A SWPPP describes Best Management Practices (BMPs) to control or minimize pollutants from entering

stormwater and must address both grading/erosion impacts, and non-point source pollution impacts of the development project. BMPs include, but are not limited to, tracking controls, perimeter sediment controls, drain inlet protection, wind erosion/dust controls, and waste management control. Because the proposed project would disturb greater than one acre of land, the project would be subject to the requirements of the State's General Construction Permit.

Mitigation Measure MM HYD-1 would require the preparation of a SWPPP to ensure that the proposed project prepares and implements a SWPPP throughout the construction phase of the project. By implementing and maintaining proper BMPs, the potential for short-term sediment introduction should be minimized. The SWPPP (**Mitigation Measure MM HYD-1**) would reduce the potential for the proposed project to violate water quality standards during construction.

Compliance with applicable federal, State, and local water quality regulations would ensure that violations of water quality standards and waste discharge requirements are avoided. During construction, implementation of the SWPPP and associated BMPs (e.g., erosion control, sediment containment, spill prevention, and material management) would prevent pollutants from entering stormwater and eliminate unauthorized non-stormwater discharges. During operation, implementation of the stormwater quality control plan and permanent treatment BMPs (e.g., bioretention basins and drainage controls) would capture and treat runoff prior to discharge. In addition, compliance with underground storage tank (UST) design, monitoring, and spill prevention requirements would minimize the potential for releases to soil or groundwater. Collectively, these measures would avoid exceedances of applicable water quality objectives and prevent violations of waste discharge requirements.

Post construction surface water at the site would be collected and run through multiple catch basins to a bioretention basin. To ensure that such a system is implemented, mitigation is proposed requiring the project applicant, as part of the stormwater quality control plan required under **Mitigation Measure MM HYD- 2**, to include a drainage plan that demonstrates attainment of pre-project runoff volumes and peak flows prior to release in the City's storm drain system.

The project site includes four (4) bioretention basins located in the northwest, southwest, and southeast corners of the site, and one offsite directly south of the project site. These facilities are designed to detain, infiltrate, and treat stormwater prior to discharge, thereby reducing pollutant loads and peak flows. The stormwater quality control plan required under **MM HYD-2** would be consistent with applicable Water Quality Control Plans adopted by the Regional Water Quality Control Board (RWQCB) for the Tulare Lake Subbasin and applicable NPDES requirements.

With the above compliance with and implementation of **Mitigation Measures MM HYD-1** and **MM HYD-2**, and adherence to applicable UST regulations the project would have a less than significant impact related to water quality and water discharge requirements.

Mitigation Measures

MM HYD-1: **Stormwater Pollution Prevention Plan**: Prior to the issuance of grading or building permits for each proposed activity within the project area, the project applicant

shall prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) to the City of Hanford for approval that identifies specific actions and Best Management Practices (BMPs) to prevent stormwater pollution during construction activities. The SWPPP shall identify a practical sequence for BMP implementation, monitoring, and maintenance; site restoration; contingency measures; responsible parties; and agency contacts. The SWPPP shall include but not be limited to the following elements:

- Temporary erosion control measures shall be employed for disturbed areas.
- Specific measures shall be identified to protect the onsite open drainages during construction of the proposed project.
- No disturbed surfaces shall be left without erosion control measures in place during the winter and spring months.
- Sediment shall be retained onsite by a system of sediment basins, traps, or other appropriate measures.
- The construction contractor shall prepare Standard Operating Procedures for the handling of hazardous materials on the construction site to eliminate or reduce discharge of materials to storm drains.
- BMP performance and effectiveness shall be determined either by visual means where applicable (e.g., observation of above-normal sediment release), or by actual water sampling in cases where verification of contaminant reduction or elimination (such as inadvertent petroleum release) is required by the RWQCB to determine adequacy of the measure.
- In the event of significant construction delays or delays in final landscape installation, native grasses or other appropriate vegetative cover shall be established on the construction site as soon as possible after disturbance, as an interim erosion control measure throughout the wet season.

MM HYD-2: **Stormwater Quality Control Plan** Prior to the issuance of building or grading permits for any development activities, the project applicant shall submit a stormwater quality control plan to the City of Hanford for review and approval. The plan shall include a detailed drainage plan and identify expected site-specific pollutants and required measures to treat those pollutants before they reach the municipal storm drain. The approved measures shall be incorporated into the proposed project. The plan will describe monitoring and performance measures and standards required in order to ensure water quality is adequately protected during operation of all proposed sites within the project area. Examples of stormwater pollution prevention measures and practices to be incorporated into the plan include but are not limited to:

- Strategically placed bioswales and landscaped areas that promote percolation of runoff
- Pervious pavement
- Roof drains that discharge to landscaped areas
- Trash enclosures with screen walls and roofs
- Stenciling on storm drains

- Curb cuts in parking areas to allow runoff to enter landscaped areas
- Rock-lined areas along landscaped areas in parking lots
- Catch basins
- Oil/water separators
- Regular sweeping of parking areas and cleaning of storm drainage facilities
- Employee training to inform maintenance personnel of stormwater pollution prevention measures

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

And,

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. As previously mentioned, the project is within the San Joaquin Valley Groundwater Basin and Tulare Lake Subbasin. The project site is also subject to the requirements of the Water Quality Control Plan for the Tulare Lake Basin (Third Edition, Revised May 2018), which is administered by the Central Valley Regional Water Quality Control Board. The Water Quality Control Plan establishes designated beneficial uses for surface water and groundwater, including municipal and domestic supply, agricultural supply, and groundwater recharge, and includes both narrative and numeric water quality objectives to protect those uses. These objectives address pollutants such as sediment, nutrients, pathogens, oil and grease, and other constituents, and are implemented through regulatory mechanisms including National Pollutant Discharge Elimination System (NPDES) permits, waste discharge requirements, and prohibitions on discharges that could degrade water quality. Furthermore, all new development within the City of Hanford Planning Area must conform to standards and plans contained in the Hanford Stormwater Drainage Master Plan. By conforming to all standards and policies as outlined, potential impacts are considered less than significant.

As noted in the Project Description, stormwater runoff on the project site would be collected in onsite storm drains and delivered to bioretention areas. The project site includes four (4) onsite bioretention basins with one in the northwest corner, one in the southwest corner, one in the southeast corner, and offsite directly south of the proposed project site. See Figure 8: Preliminary Grading and Drainage Plan. Stormwater at the site would be collected by storm drain catch basins onsite and conveyed into a bioretention area where the water would infiltrate into the soil. Each of the bioretention areas would be specifically sized to accommodate the amount of water that would be collected from a portion of the project site.

The Department of Water Resources has designated the San Joaquin Valley Tulare Lake Subbasin as within a probationary period requiring well owners, with small domestic well owners exempt, to file online annual groundwater extraction reports and the City's groundwater withdrawal rate is of vital concern to the City as this poses a long-term risk to the reliability of the groundwater supply.

According to the City's 2020 Urban Water Management Plan (UWMP), to reduce dependence on groundwater and ensure sustainable yields, the City has implemented overdraft mitigation measures, which includes water conservation and education programs, increasing surface water imports, and increasing groundwater recharge. Furthermore, the UWMP outlines levels of shortage response actions consisting of restrictions, procedures, and penalties that would encourage water conservation and that the project would comply to, consisting of the following levels: Minor Shortage Potential, Moderate Shortage Potential, and Critical Shortage Potential. The resulting reduction in groundwater withdrawal would stabilize groundwater levels in the Hanford area. The proposed project is located within City Limits. The proposed project would connect to the City Water Service Area, which is supplied by groundwater from the Tulare Lake Subbasin, and surface water purchased from the Kings County Water District (KCWD). The proposed project would be located within the City's Planning Area and would be consistent with the City's UWMP.

The proposed project would generate an increase in water demand. However, such demand would be met through a combination of the aforementioned water sources. Development of the project site would not result in an increase in groundwater pumping because the City cannot exceed the sustainable groundwater pumping yield.

In addition, the project site constitutes a relatively small area compared to the size of the groundwater basin and, thus, does not constitute a substantial source of groundwater recharge. The project would allow for continued infiltration through the proposed bioretention basins and native and/or drought-tolerant plants, in compliance with local policies, proposed throughout the site. Therefore, the project would not substantially interfere with groundwater recharge.

As discussed above, the project would comply with applicable Water Quality Control Plan requirements during both construction and operation. Construction-related discharges would be regulated through coverage under the State's Construction General Permit and implementation of a Storm Water Pollution Prevention Plan (SWPPP) in **Mitigation Measure MM HYD-1**, which includes Best Management Practices (BMPs) to control erosion, sediment transport, and pollutant discharge. Operationally, the project would implement a stormwater quality control plan, as per **Mitigation Measure MM HYD-2**, including bioretention basins and site design features that reduce pollutant loads and control runoff prior to discharge. In addition, compliance with federal and State requirements for underground storage tanks (USTs) would minimize the potential for accidental releases that could affect soil or groundwater quality. These measures are consistent with Water Quality Control Plan objectives and implementation provisions and would not obstruct their implementation.

The proposed project is consistent with the City's General Plan land use designations and would be consistent with the zoning land uses; therefore, groundwater use associated with development of the project has been anticipated by the City and accounted for in regional planning efforts, including the projections included in the City's UWMP. Therefore, the proposed project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin. Similarly, because the project would comply with applicable water quality regulations and implement required measures to protect water quality, it would not conflict with or obstruct implementation

of the Water Quality Control Plan. The proposed project would have a less than significant impact in this regard.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on- or off-site?

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

iv) Impede or redirect flood flows?

Less Than Significant With Mitigation Incorporated. Project construction work could have an impact on surface water quality due to exposure of soils to potential erosion. Construction activities that would disturb more than an acre of land area would need to obtain a Construction General Permit, which would require preparation of a SWPPP that includes construction BMPs to control soil erosion, runoff, and waste discharges, including methods to clean up contaminants if they are released. Under existing conditions, stormwater flows as sheet flow toward adjacent drainage ditches offsite. The proposed project would create a drainage system through grading, catch basins, and bioretention areas, maintaining the overall drainage pattern while improving flow control and water quality treatment. Implementation of the SWPPP would reduce potential drainage pattern impacts from construction activities to a level that would be less than significant. In addition, the proposed project would not violate any federal, state, or local water quality standards or waste discharge requirements, as compliance with the Construction General Permit, preparation and implementation of a SWPPP, as part of **MM HYD-1,** and implementation of a Stormwater Quality Control Plan, as part of **MM HYD-2**, would ensure that pollutants are appropriately controlled during both construction and operation**.**. With the above compliance with and implementation of Mitigation Measures MM HYD-1 and MM HYD-2 the project would have a less than significant impact related to soil erosion, increased surface water runoff, and polluted surface water runoff.

The project site includes four (4) bioretention basins, with one in the northwest corner, one in the southwest corner, one in the southeast corner, and offsite directly south of the proposed project site.

The project site falls within FEMA's National Flood Hazard FIRM Panel 06031C0185C, Zone X Area with Minimal Flood Hazard (FEMA, 2024). The project site is not located within a 100-year flood hazard area and none of the structure or buildings surrounding the site are within

a 100-year flood hazard zone. The project would comply with the city stormwater management requirements and BMPs with the implementation of **Mitigation Measure MM HYD-1**. Overall, with the project location in an area with low flood risk, the project would not impede or redirect flood flow which would result in a less than significant impact.

In conclusion, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner which would result in erosion, siltation, or flooding on- or off-site, create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems, or provide substantial additional sources of polluted runoff. Consequently, implementation of the proposed project would result in a less-than-significant impact.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less Than Significant Impact. The project site is located approximately 100 miles inland from the Pacific Ocean. As such, the potential for the project site to be inundated by a tsunami is negligible. No steep slopes are located in the project vicinity; therefore, the risk of mudflow is also negligible. Therefore, impacts would be less than significant**.**

Cumulative Impacts

The potential impacts related to hydrology and storm water runoff are typically site specific and site specific BMPs are implemented at the project level. The analysis above determined that the implementation of the proposed project would not result in significant impacts. In regard to proposed project impacts that would be considered less than significant, such impacts are not expected to result in compounded or increased impacts when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects, as other projects would be subject to similar laws and requirements regarding hydrology practices.

Projects would be required to adhere to applicable General Plan goals, policies, and action statements; the City of Hanford's Municipal Zoning Code, the City's stormwater management guidelines regarding stormwater runoff and infrastructure, the City's UWMP, and the Water Quality Control Plan for the Tulare Lake Basin Third Edition. In addition, other projects would be required to implement stormwater pollution best management practices during construction and design measures to reduce water quality impacts and comply with the NPDES Municipal Regional Permit. Future developments in the watershed would also be required to comply with the SWRCB and RWQCB. Depending on the size of future projects, they would be required to obtain and comply with all required water quality permits and the Water Quality Control Plan for the Tulare Lake Basin Third Edition, as needed and prepare and implement SWPPPS, implement construction BMPs, including BMPs to minimize runoff, erosion, and storm water pollution, and comply with other applicable requirements. As part of these requirements, projects would be required to implement and maintain source controls, and treatment measures to minimize polluted discharge and prevent increases in runoff flows that could substantially decrease water quality. Conformance to these measures would minimize runoff from those sites and reduce contamination of runoff with pollutants. Therefore, past, present, and reasonably foreseeable future projects are not expected to cause substantial

increases in storm water pollution. With compliance with State and local mandates, cumulative impacts would be less than significant, and project impacts would not be cumulatively considerable.

5.11 LAND USE AND PLANNING

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?			**X**	
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?			**X**	

a) Physically divide an established community?

Less Than Significant Impact. An example of a project that has the potential to divide an established community includes the construction of a new freeway or highway through an established neighborhood. The project proposes a commercial development on a Regional Commercial land use designation as listed in the General Plan. The project would be located near already established commercial uses to the north where it is bounded by Highway 198 and residential uses to the south and east. The project site is fenced, is surrounded by roadways on two sides and agricultural land on a third side and is not currently used as an access route between neighborhoods. Given the project's nature, scope, and location, the project would not physically divide an established community. A less than significant Impact would occur in this regard.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact. The project site is designated as Regional Commercial (C-R) in the Hanford General Plan planning area and zoned as such. The project would be consistent with the City's zoning and General Plan land use designation. Furthermore, the adjacent parcels are zoned as commercial and residential in the Hanford General Plan. Therefore, the project would not conflict with the City's land use plan, policy, or regulation and therefore, would be less than significant.

Cumulative Impacts

Implementation of the project would not create a significant cumulative impact to the surrounding region since its surrounding area is planned for residential and commercial use. As a result, no cumulative impacts related to land use and planning would occur.

5.12 MINERAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?			**X**	
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?			**X**	

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Less Than Significant Impact. There are no wells located on the project site. There are no wells within a mile of the project site. The closest well is located approximately 4.7 miles southeast of the project site and is a dry hole well that is plugged and not used. The closest Oil and Gas Field is Hanford (ABD) located approximately 7.1 miles east of the project site. Overall, there are no known available mineral resources on the project site and therefore impacts from the proposed project would be less than significant.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

Less Than Significant Impact. The project site has no known mineral resources that would be of value to the region and the residents of the state. However, it has historically been used as agricultural land until now. According to the Department of Conservation Mineral Resource Map and the United States Geologic Survey, the western majority of the City of Hanford, including the project site, has not been included in any SMARA Study Areas, and there is no determination of the exact Mineral Classification Zone the project site, or the vicinity, falls under. The project site has been planned for commercial development in the Hanford General Plan with a regional commercial (C-R) development designation. According to section 5.3 Mineral and Energy Resources in the City of Hanford General Plan, it states that, “at this time there are no known significant deposits of minerals, and no active mines (City of Hanford, 2017).” Therefore, the proposed project would not result in the loss of availability of a regionally or locally important mineral resource recovery site and a less than significant impact would occur

Cumulative Impacts

Implementation of the proposed project, in combination with other past, present, and reasonably foreseeable future projects, would not result in cumulatively considerable impacts to mineral resources.

Based on regional Mineral Resource Zone (MRZ) mapping prepared by the California Department of Conservation pursuant to SMARA, the project site and surrounding area are not classified as MRZ-2 or MRZ-3, indicating the absence of known or potentially significant mineral resources. This is consistent with the City of Hanford General Plan, which identifies no significant mineral deposits or active mining operations within the city. As a result, no cumulative impacts related to mineral resources would occur.

5.13 NOISE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
NOISE. Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			**X**	
b) Generation of excessive groundborne vibration or groundborne noise levels?			**X**	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			**X**	

NOISE BACKGROUND

Sound is technically described in terms of amplitude (loudness) and frequency (pitch). The standard unit of sound amplitude measurement is the decibel (dB). The decibel scale is a logarithmic scale that describes the physical intensity of the pressure vibrations that make up any sound. The pitch of the sound is related to the frequency of the pressure vibration. Since the human ear is not equally sensitive to a given sound level at all frequencies, a special frequency-dependent rating scale has been devised to relate noise to human sensitivity. The A-weighted decibel scale (dBA) provides this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear.

Noise, on the other hand, is typically defined as unwanted sound. A typical noise environment consists of a base of steady ambient noise that is the sum of various distant and indistinguishable noise sources. The sound from individual local sources is superimposed on this background noise. These can vary from an occasional aircraft or train passing by to virtually continuous noise from traffic on a major highway.

Several rating scales have been developed to analyze the adverse effect of community noise on people. Since environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise as well as the time of day when the noise occurs. Most commonly, environmental sounds are described in terms of L_{eq} that has the same acoustical energy as the summation of all the time-varying events. While the equivalent continuous sound level (L_{eq}) represents the continuous sound pressure level over a given period; the Day-Night Sound level (L_{dn}) is a 24-hour average L_{eq} with a 10 dBA “weighting” added to noise during the hours of 10:00 p.m. to

7:00 a.m. to account for noise sensitivity in the nighttime. The Community Noise Equivalent Level (CNEL) is a 24-hour average L_{eq} with a 10-dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. and an additional 5 dBA weighting during the hours of 7:00 p.m. to 10:00 p.m. to account for noise sensitivity in the evening and nighttime.

REGULATORY SETTING

State

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 dBA CNEL and "conditionally acceptable" up to 70 dBA CNEL. Multiple-family residential uses are "normally acceptable" up to 65 dBA CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 dBA CNEL, as are office buildings and business, commercial, and professional uses.

Title 24 – Building Code

The State's noise insulation standards are codified in the California Code of Regulations, Title 24: Part 1, Building Standards Administrative Code, and Part 2, California Building Code. These noise standards are applied to new construction in California for interior noise compatibility from exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential buildings, schools, or hospitals, are located near major transportation noise sources, and where such noise sources create an exterior noise level of 65 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new multi-family residential buildings, the acceptable interior noise limit for new construction is 45 dBA CNEL.

Local

City of Hanford General Plan

The City of Hanford General Plan identifies and assess noise concerns within the community and develops the basis for land use distribution. The noise element is found in Chapter 7 of the 2035 General Plan Policy Document. Table 5.13-1: Land Use/Noise Compatibility Guidelines lists the compatibility of land uses at various noise levels and offers criteria the City can use in evaluating land use decisions.

Table 5.13-1: Land Use/Noise Compatibility Guidelines

Land Use	Exterior Noise Exposure (dBA CNEL)				
	<60	60-65	65-70	70-75	75+
Residential					
Single-Family, Senior Housing, Mobile Homes	Compatible	Conditionally Compatible	Conditionally Compatible	Normally Incompatible	Incompatible
Multi-Family	Compatible	Compatible[1]	Conditionally Compatible[1]	Normally Incompatible[1]	Incompatible
Mixed Use	Compatible	Compatible	Conditionally Compatible[1]	Normally Incompatible[1]	Normally Incompatible[1]
Commercial					
Automotive, Service Commercial	Compatible	Compatible	Compatible	Conditionally Compatible	Conditionally Compatible
Office	Compatible	Compatible	Compatible	Conditionally Compatible	Normally Incompatible
Shopping Center	Compatible	Compatible	Compatible	Conditionally Compatible	Normally Incompatible
Visitor Accommodations	Compatible	Compatible	Conditionally Compatible[1]	Conditionally Compatible[1]	Normally Incompatible[1]
Industrial					
Institutional					
Infrastructure	Compatible	Compatible	Compatible	Compatible	Compatible
Worship Facilities, Educational Facilities, Community Centers, Libraries, Museums, Cultural Centers	Compatible	Conditionally Compatible[1]	Conditionally Compatible[1]	Normally Incompatible[1]	Incompatible
Open Space, Parks and Recreation					
Community and Neighborhood Parks	Compatible	Compatible	Compatible	Conditionally Compatible	Normally Incompatible
Golf Courses, Athletic Fields	Compatible	Compatible	Compatible	Conditionally Compatible	Normally Incompatible

1. Internal noise level of 45 dBA CNEL.
2. Compatible Indoor Uses: Standard construction methods should attenuate exterior noise to an acceptable indoor noise level. Compatible Outdoor Uses: Activities associated with the land uses may be carried out.
3. Compatible Outdoor Uses: Activities associated with the land uses may be carried out.
4. Conditionally Compatible Indoor Uses: Building structure must attenuate exterior noise to the indoor noise level. Conventional construction, but with closed windows and fresh air supply systems will normally suffice.
5. Conditionally Compatible Outdoor Uses: Best practices for reducing noise interference should be incorporated to make outdoor activities acceptable.
6. Normally Incompatible Indoor Uses: If new construction or development does proceed, a detailed acoustical analysis is needed to identify the nose reduction requirements and needed nose insulation features shall be included in the design.
7. Normally Incompatible Outdoor Uses: Feasible noise mitigation techniques shall be analyzed and incorporated to make the outdoor activities acceptable.
8. Incompatible Indoor Uses: New construction should not be undertaken.
9. Incompatible Outdoor Uses: Severe nose interference makes outdoor activities unacceptable.

Land Use	Exterior Noise Exposure (dBA CNEL)				
	<60	60-65	65-70	70-75	75+
Source: City of Hanford, *2034 General Plan Background Report*, 2014.					

The Hanford General Plan Policy Document includes the following applicable guiding policies for noise which are applicable to the project:

Policy H41: **Interior Noise Exposure.** Adopt State Noise Insulation Standards (California Code of Regulations, Title 24) and Chapter 35 of the Uniform Building Code (UBC) concerning interior noise exposure for new single, multi-family housing, hotels and motels.

Policy H42: **Noise Evaluation for New Development.** Evaluate proposed development proposals against existing and future noise levels from ground transportation noise sources.

Policy H43: **Non-Transportation Noise.** Mitigate noise created by non-transportation noise sources so as not to exceed the maximum allowable interior and exterior noise level standards.

Policy H46: **Noise Ordinance.** Adopt ordinances that limit noise-generating sources to acceptable, safe levels.

Policy H47: **City Equipment Purchases.** Purchase only equipment and vehicles that comply with noise level performance standards based upon the best available noise reduction technology.

Policy H48: **Noise Mitigation for Construction Activities.** Require all development projects to mitigate noise impacts associated with construction activities.

Policy H49: **Acoustical Analysis.** The City shall utilize procedures for project review and issuance of building permits to ensure that noise mitigation measures identified in an acoustical analysis are implemented in the project design.

City of Hanford Municipal Code

The City of Hanford Municipal Code (HMC) Loud or Annoying Noises (Chapter 9.10) includes regulations to protect and foster the health, peace, safety, and welfare of Hanford residents by reducing, controlling, and preventing loud and annoying noise. Section 9.10.050, General Prohibition, states the following:

A. Unless an exemption identified in this chapter applies, no person shall make, continue, or cause to be made or continued:

   1. Any unreasonable noise; or
   2. Any noise which unreasonably disturbs, injures, or endangers the comfort, repose, health, peace, or safety of reasonable persons of ordinary sensitivity, within the jurisdictional limits of the city; or

3. Any noise which is so harsh, prolonged, unnatural, or unusual in time or place as to occasion unreasonable discomfort to any persons within the neighborhood from which said noise emanates, or as to unreasonably interfere with the peace and comfort of neighbors or their guests, or operators or customers in places of business, or as to detrimentally or adversely affect such residences or places of business.

HMC Chapter 9.10.070(E) exempts noise from repairs or excavations of bridges, streets, highways, and other public improvements by or on behalf of the city, the state, or the federal government, between the hours of 8:00 p.m. and 7:00 a.m., when public welfare and convenience renders it impractical to perform the work between 7:00 a.m. and 8:00 p.m.

Additionally, HMC Section 9.10.060(A)(10) states the following:

Construction or Repair of Buildings, Excavation of Streets and Highways. The construction, demolition, alteration or repair of any building or the excavation of streets and highways other than between the hours of 7:00 a.m. and 8:00 p.m. In cases of emergency, construction or repair noises are exempt from this provision. In non-emergency situations, the city manager, or designee, may issue a permit, upon application, if the city manager, or designee, determines that the public health and safety, is affected by loud and raucous noise caused by construction or repair of buildings or excavation of streets and highways between the hours of 8:00 p.m. and 7:00 a.m. will not be impaired, and if the city manager, or designee, further determines that loss or inconvenience would otherwise result. The permit shall grant permission in non-emergency cases for a period of not more than three days. The permit may be renewed once for a period of three days or less.

Existing Noise Sources

The City of Hanford is impacted by various noise sources. Major sources include vehicle traffic along highways and major roads. Highway noise is influenced by factors such as vehicle speed, roadway condition, traffic volume, and the effectiveness of mufflers. Noise on major roads also increases with increased traffic. Other sources of noise include rail transportation, industrial activities, and events at the Kings Speedway at the Kings County Fairgrounds.

Sensitive Receptors

Noise exposure standards and guidelines for various types of land uses reflect the varying noise sensitivities associated with each of these uses. Residences, hospitals, schools, guest lodging, libraries, and churches are treated as the most sensitive to noise intrusion and therefore have more stringent noise exposure targets than do other uses, such as manufacturing or agricultural uses that are not subject to impacts such as sleep disturbance. The surrounding land uses are predominantly residential to the southeast and southwest and commercial use to the south. As shown in *Table 5.13-2: Sensitive Receptors*, the nearest sensitive receptors in the project vicinity include residences, school, parks, hotels, religious centers, and a health center. Other surrounding uses that do not represent the nearest sensitive receptors are discussed in *Section 2.2, Environmental Setting*. These distances are from the project site to the sensitive receptor property line.

Table 5.13-2: Sensitive Receptors

Receptor Description	Distance and Direction from the Project Site
Single-family Residential	748 feet to the east
Single-family Residential	464 feet to the southeast
Centennial Park	1,711 feet to the southeast
Educational Facility (Daycare Center)	193 feet to the south
Single-family Residential	742 feet to the south
Single-family Residential	479 feet to the south
Multi-family Residential	390 feet to the southwest
Koinonia Church	2,110 feet to the west
Hotel	1,430 feet to the northwest
Hotel	1,091 feet to the northeast
Hotel	2,009 feet to the northeast
Health Center	2,140 feet to the northeast
Source: Google Earth, 2025.	

Ambient Noise Level

As vehicle traffic is the predominant noise source in the project vicinity, ambient noise levels were calculated at the nearest receptors using the FHWA's Highway Noise Prediction Model (FHWA-RD-77-108). *Table 5.13-3: Ambient Noise Levels* provides the ambient noise levels calculated at the nearest sensitive receptors. As shown in *Table 5.13-3*, noise levels at the nearest sensitive receptors would range from 54.6 dBA CNEL to 64.4 dBA CNEL.

Table 5.13-3: Ambient Noise Levels

Receptor Location (Coordinates)	**Ambient Noise Level (dBA CNEL)**
Daycare Center (259918.23, 4022181.49)	64.4
Residential Uses to the Southwest (259739.22, 4022244.26)	54.6
Residential Uses to the Southeast (260127.30, 4022178.17)	58.9
1. Noise levels were calculated using the FHWA's Highway Noise Prediction Model (FHWA-RD-77-108); Refer to Appendix E for noise methodology and calculations. 2. Traffic volumes used to calculate ambient noise levels are based on the *Maverik Hanford Transportation Impact Study* (TIS) prepared by Kimley-Horn (May 6, 2025).	

THRESHOLDS

Construction Noise

The City has not established quantitative construction noise standards. However, HMC Chapter 9.10 prohibits noise-generating activities during nighttime hours (8:00 p.m. to 7:00 a.m.). Therefore, this analysis uses the following noise thresholds during daytime hours (7:00 a.m. to 8:00 p.m.) to evaluate construction noise impacts:

- The FTA's construction noise threshold of 80 dBA (8-hour L_{eq}) for residential uses; and
- The FTA's construction noise threshold of 85 dBA (8-hour L_{eq}) for non-residential uses.

Operational Noise

Operational noise is evaluated based on the standards within the City's Land Use and Compatibility Guidelines; refer to *Table 5.13-1*. As the nearest sensitive receptors are residential uses and a daycare center (i.e., educational facility), the City's Land Use and Compatibility Guidelines standard of 60 dBA CNEL has been used in this analysis.

Vibrations

The City currently does not have a significance threshold to assess vibration impacts. The FTA guidelines show that a vibration level of up to 0.2 in/sec PPV is considered safe and would not result in any construction vibration damage for a building that is constructed with reinforced concrete with no plaster. Therefore, this analysis uses the FTA and Caltrans structural damage criterion of 0.2 inch-per-second (in/sec) peak particle velocity (PPV) and the human annoyance criterion of 0.4 in/sec PPV.

ENVIRONMENTAL IMPACTS

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact.

Construction

Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g. land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect sensitive receptors surrounding the construction site. However, construction activities would occur throughout the project site and would not be concentrated at a single point near sensitive receptors. Noise levels typically attenuate (or drop off) at a rate of 6 dB per doubling of distance from point sources, such as concrete saws.

Construction activities associated with development of the project would include some demolition, site preparation, grading, paving, building construction, architectural coating, and off-site infrastructure improvements. Such activities may require dozers, excavators, and concrete and

industrial saws during demolition; dozers and tractors during site preparation; graders, excavators, tractors, and dozers during grading; forklifts, generator sets, cranes, welders, and tractors during building construction; pavers, paving equipment, and rollers during paving; air compressors during architectural coating; and trenchers, pavers, rollers, and dozers during off-site infrastructure improvement. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 to 4 minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). The grading phase of project construction tends to be the shortest in duration and create the highest construction noise levels due to the operation of heavy equipment required to complete these activities. It should be noted that only a limited amount of equipment can operate near a given location at a particular time. Typical noise levels associated with individual construction equipment are listed in ***Error! Reference source not found.***.

As indicated in *Table 5.13-4*, construction noise levels would be noticeable at sensitive receptors in the project vicinity. However, actual construction-related noise activities would be lower than the conservative levels shown in *Table 5.13-4* and would cease upon completion of construction. Due to the variability of construction activities and equipment for the project, overall construction noise levels would be intermittent and would fluctuate over time. In addition, the noise levels shown in *Table 5.13-4* assume that construction noise is constant, when, in fact, construction activities and associated noise levels would fluctuate and generally be brief and sporadic, depending on the type, intensity, and location of construction activities.

Table 5.13-4: Typical Construction Noise Levels

Equipment	**Maximum Noise Level (dBA) from Source[1]**
	50 feet (reference level)
Air Compressor	80
Backhoe	80
Compactor	82
Concrete Mixer	85
Concrete Pump	82
Concrete Vibrator	76
Crane, Mobile	83
Dozer	85
Generator	82
Grader	85
Impact Wrench	85
Jack Hammer	88
Loader	80
Paver	85
Pneumatic Tool	85

Equipment	Maximum Noise Level (dBA) from Source[1]
	50 feet (reference level)
Pump	77
Roller	85
Saw	76
Scarifier	83
Scraper	85
Shovel	82
Truck	84
1. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$ Where: $QWdBA_2$ = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.	
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.	

Pursuant to HMC Chapter 9.10, project construction activities would be prohibited to take place between the hours of 8:00 p.m. and 7:00 a.m. While the City has established allowable construction hours, the City has not identified specific construction noise level limits. The nearest noise-sensitive receptors to the project site include the daycare center to the south, single-family residences to the southeast, and multi-family residences to the southwest. The proposed project may expose these sensitive receptors to elevated noise levels during project construction. However, it is acknowledged that construction activities would occur throughout the project site and would not be concentrated at the point closest to the sensitive receptors.

The City has not identified specific construction noise level limits. Thus, this analysis uses the FTA's threshold of 80 dBA (8-hour L_{eq}) for residential uses and 85 dBA (8-hour L_{eq}) for non-residential uses.[18] The Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) was used to calculate noise levels during construction activities; refer to Appendix E: Noise Modeling Data. RCNM is a computer program used to assess construction noise impacts and allows for user-defined construction equipment and user-defined noise limit criteria. Noise levels were calculated for each construction phase and are based on the equipment used, distance to the nearest property/receptor, and acoustical use factor for equipment.

The noise levels calculated in *Error! Reference source not found.*, show estimated exterior construction noise levels at the closest noise-sensitive receptor property line to the south, southeast, and southwest of the project site. Based on calculations using the RCNM model, construction noise levels would range from approximately 54.4 dBA L_{eq} to 77.0 dBA L_{eq} at the nearest sensitive receptors; see *Table 5.13-5*.

As shown in *Table 5.13-5*, construction noise levels could reach 77.0 dBA L_{eq} at the daycare center (i.e., educational facility) and up to 70.8 dBA L_{eq} at the residential uses. Therefore, construction noise levels would not exceed FTA's threshold of 80 dBA (8-hour L_{eq}) for residential uses or 85 dBA

[18] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, Table 7-2, Page 179, September 2018.

(8-hour L_{eq}) for non-residential uses. As a result, construction noise levels would be less than significant.

Table 5.13-5: Project Construction Noise Levels

Construction Phase	Receptor Location			Modeled Exterior Noise Level (dBA L_{eq}) [2]	FTA Noise Threshold (dBA L_{eq}) [3]	Exceeded?
	Land Use/ Location	Direction	Distance (feet) [1]			
Demolition	Educational Facility	South	193	73.9	90	No
	Residential	Southwest	390	67.8	80	No
	Residential	Southeast	464	66.3	80	No
Off-site Infrastructure Improvements	Educational Facility	South	193	70.3	90	No
	Residential	Southwest	390	64.2	80	No
	Residential	Southeast	464	62.7	80	No
Site Preparation	Educational Facility	South	193	75.9	90	No
	Residential	Southwest	390	69.8	80	No
	Residential	Southeast	464	68.3	80	No
Grading	Educational Facility	South	193	75.5	90	No
	Residential	Southwest	390	69.4	80	No
	Residential	Southeast	464	67.9	80	No
Paving	Educational Facility	South	193	74.8	90	No
	Residential	Southwest	390	68.7	80	No
	Residential	Southeast	464	67.2	80	No
Building Construction	Educational Facility	South	193	75.3	90	No
	Residential	Southwest	390	69.2	80	No
	Residential	Southeast	464	67.7	80	No
Architectural Coating	Educational Facility	South	193	62.0	90	No
	Residential	Southwest	390	55.9	80	No
	Residential	Southeast	464	54.4	80	No
Overlapping Phases						
Building Construction + Architectural Coating	Educational Facility	South	193	75.5	90	No
	Residential	Southwest	390	69.4	80	No
	Residential	Southeast	464	67.9	80	No
Site Preparation + Off-site Infrastructure Improvements	Educational Facility	South	193	77.0	90	No
	Residential	Southwest	390	70.8	80	No
	Residential	Southeast	464	69.3	80	No

Notes:
1. Distance is from the nearest receptor's property line to the project site's property line. Not all equipment would operate at the closest distance to the receptor.
2. The distances used in the RCNM model can be seen in Appendix E. Modeled noise levels conservatively assume the simultaneous operation of all pieces of equipment.
3. Federal Transit Authority's threshold of 80 dBA (8-hour L_{eq}) for residential uses and 85 dBA (8-hour L_{eq}) for non-residential uses.

Source: Federal Highway Administration, *Roadway Construction Noise Model,* 2006. Refer to Appendix E for noise modeling results.

Construction Traffic Noise

Because of the logarithmic nature of noise levels, a doubling of the traffic volume (assuming that the speed and vehicle mix do not also change) would result in a noise level increase of 3 dBA. As shown in *Table 5.13-7*, 12th Avenue (north and south of Hayden Avenue), the main access route for project construction, has an average daily trip volume between 17,489 and 17,500 vehicles. Project construction would generate 19 daily trips during demolition, 18 daily trips during site preparation, 79 daily trips during grading, 3 daily trips during building construction, 15 daily trips during paving, and 10 daily trips during off-site infrastructure improvement. Therefore, conservatively assuming all construction phases would occur at the same time, a maximum of 144 daily project construction trips would not double the existing traffic volume of 17,500 vehicles per day along the roadway segment north of Hayden Avenue or 17,489 vehicles per day along the roadway segment south of Hayden Avenue. Construction related traffic noise would not be noticeable and would not create a significant noise impact. Large trucks would be necessary to deliver building materials, remove waste materials, and haul soil to and from off-site locations. This would be temporary and short-term.

Larger trucks needed to haul materials could result in additional noise from acceleration from engines, braking, and loading and unloading. The State of California establishes noise limits for vehicles licensed to operate on public roads using a pass-by test procedure. Pass-by noise refers to the noise level produced by an individual vehicle as it travels past a fixed location. The pass-by procedure measures the total noise emissions of a moving vehicle with a microphone. When the vehicle reaches the microphone, the vehicle is at full throttle acceleration at an engine speed calculated for its displacement. For heavy trucks, the State pass by standard is consistent with the federal limit of 80 decibels (dB). The State pass by standard for light trucks and passenger cars (less than 4.5 tons gross vehicle rating) is also 80 dB at 15 meters from the centerline. According to the FHWA, dump trucks typically generate noise levels of 76 dBA and flatbed trucks typically generate noise levels of 74 dBA, at a distance of 50 feet from the truck.[19] As such, noise from truck trips associated with the proposed project would not exceed FTA threshold levels of 80 dBA (8-hour L_{eq}) for residential uses or 85 dBA (8-hour L_{eq}) for non-residential uses.

Operations

Implementation of the project would create new sources of noise in the project vicinity. The major noise sources associated with the project that would potentially impact existing sensitive receptors include the following:

- Mechanical equipment (i.e., air conditioners, etc.);
- Truck movements (i.e., maneuvering and idling trucks);
- Fuel dispensing activities;
- Parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by);

[19] Federal Highway Administration, *Roadway Construction Noise Model*, 2006.

- Landscape maintenance activities; and
- Off-site traffic noise.

Stationary Noise Sources

New sources of stationary noise in the project vicinity include: mechanical equipment, truck back-up alarms, truck movements, fuel dispensing activities, parking lot activities, and landscape maintenance activities. *Table 5.13-6: Operational Stationary Source Noise Levels,* shows the noise levels generated by various stationary noise sources at the receptor, as well as the combined noise level at the receptor.

Mechanical Equipment

Regarding mechanical equipment, the project would generate stationary-source noise associated with heating, ventilation, and air conditioning (HVAC) units. HVAC units typically generate noise levels of approximately 52 dBA at 50 feet.[20] Based on the site plan, HVAC units would be located near the convenience store. Therefore, the nearest HVAC units could be located as close as 434 feet from the nearest sensitive receptors to the south. At this distance mechanical equipment noise would attenuate to 33.2 dBA L_{eq}.

Truck Movement Noise

The project is a refueling station that would include truck movements. Truck movement noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting' braking activities. Typically, heavy truck operations generate a noise level of 64 dBA at a distance of 50 feet.[21] The nearest truck movement area (i.e., truck fueling area) would be located approximately 451 feet from the nearest sensitive receptor (daycare center to the south). At this distance, loading area activities would be approximately 32.2 dBA L_{eq}. While there would be temporary noise increases during truck maneuvering and engine idling, these impacts would be of short duration and infrequent.

It should be noted that the project would not receive deliveries from heavy-duty trucks, rather vans and light-duty trucks. Noise levels from project deliveries would be similar to parking lot noise levels, discussed below.

Truck Back-up Alarms

Heady-duty trucks maneuvering and reversing on the project site would produce noise from back-up alarms (also known as back-up beepers). Back-up alarms produce a typical volume of 97 dBA at one meter (3.28 feet) from the source.[22] Over the duration of an hour, trucks may utilize back-up alarms near the refueling area located approximately 451 feet from the nearest sensitive receptor

[20] Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
[21] Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

[22] Environmental Health Perspectives, *Vehicle Motion Alarms: Necessity, Noise Pollution, or Both?*, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3018517/, accessed June 2024.

(daycare center to the south). At this distance, exterior noise levels from back-up alarms would be approximately 40 dBA L_{eq}.

Parking Lot and Gas Station Activities

The project would include vehicle parking spaces near the proposed convenience store. Additionally, 12 vehicle fueling dispensers would also include similar noise sources as parking spaces, which would include vehicular circulation, louder engines, car alarms, and door slams. Per the *Maverik Hanford Transportation Impact Study* (TIS) prepared by Kimley-Horn (May 6, 2025), the Project would generate up to 253 one-way trips during the peak hour. For the purpose of providing a conservative, quantitative estimate of the noise levels that would be generated from the vehicles entering and exiting the parking lots and fueling positions, the methodology recommended by FTA for the general assessment of stationary transit noise sources is used. Using the methodology, the Project's peak hourly noise level that would be generated by the on-site parking levels was estimated using the following FTA equation:

$$L_{eq(h)} = SEL_{ref} + 10 \log (NA/1{,}000) - 35.6$$

Where:

$L_{eq(h)}$ = hourly L_{eq} noise level at 50 feet

SEL_{ref} = reference noise level for stationary noise source represented in sound exposure level (SEL) at 50 feet

NA = number of automobiles per hour

35.6 is a constant in the formula, calculated as 10 times the logarithm of the number of seconds in an hour

Using FTA's reference noise level of 92 dBA SEL[23] at 50 feet from the noise source, the Project's highest peak hour vehicle trips would generate noise levels of approximately 50.4 dBA L_{eq} at 50 feet from the parking lot and fueling positions. Vehicle noise would occur within the surface parking lots and fueling positions on the project site. Vehicle noise would be consistent with the existing noise in the vicinity and would be partially masked by background noise from traffic along surrounding roadways. The nearest sensitive receptors (single-family residences to the east) would be located approximately 337 feet from the closest parking spaces. At this distance, parking lot noise levels would be approximately 33.9 dBA L_{eq}.

Landscape Maintenance Activities

The project proposes new landscaping that would require periodic maintenance. Noise generated by a gasoline-powered lawnmower is estimated to be approximately 70 dBA at a distance of five feet.[24] The nearest landscape maintenance activity would be located approximately 286 feet from

[23] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018.

[24] U.S. EPA, *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*, 1971

the closest sensitive receptors (daycare center to the south). At this distance, landscape maintenance noise levels would be approximately 34.9 dBA L_{eq}.

Landscape maintenance activities would operate during daytime hours for brief periods of time and would not permanently increase ambient noise levels in the project vicinity. Additionally, landscape maintenance noise levels would be consistent with activities that currently occur at nearby uses.

Combined Noise Levels

Given the project is assumed to operate 7 days a week, 24 hours per day, the potential maximum project-related noise level increase at the nearest receptor was conservatively quantified by combining the project's operational noise sources (i.e., composite noise level). As shown in *5.13-6*, the project's combined stationary noise sources would range from 38.1 dBA CNEL to 43.1 dBA CNEL. Therefore, the City's noise standard (60 dBA CNEL) would not be exceeded and impacts would be less than significant. Additionally, stationary noise levels would not exceed existing ambient noise levels in the project vicinity; refer to *Table 5.13-6*.

Table 5.13-6: Operational Noise Levels

Sensitive Receptor Location	Noise Source	Reference Level (dBA)	Reference Distance (feet)	Distance to Receptor (feet)[1]	Level at Receptor (dBA L_{eq})[2]	Combined Level at Receptor (dBA L_{eq})[3]	Combined Level at Receptor (dBA CNEL)[3]	City Noise Standard (dBA CNEL)	Significant?
Daycare Center (South)	Mechanical Equipment	52	50	434	33.2	43.1	49.8	60	No
	Truck Movement	64	50	451	32.2				
	Truck Back-up Alarms	97	3.28	451	40.5				
	Parking / Fueling	50.4	50	337	33.9				
	Landscape Maintenance	70	5	286	34.9				
Multifamily Residential (Southwest)	Mechanical Equipment	52	50	662	29.6	39.7	46.3	60	No
	Truck Movement	64	50	653	29.0				
	Truck Back-up Alarms	97	3.28	653	37.3				
	Parking / Fueling	50.4	50	529	29.9				
	Landscape Maintenance	70	5	459	30.7				
Single-family Residential (Southeast)	Mechanical Equipment	52	50	745	28.5	38.1	44.8	60	No
	Truck Movement	64	50	803	27.2				

Sensitive Receptor Location	Noise Source	Reference Level (dBA)	Reference Distance (feet)	Distance to Receptor (feet)[1]	Level at Receptor (dBA L_{eq})[2]	Combined Level at Receptor (dBA L_{eq})[3]	Combined Level at Receptor (dBA CNEL)[3]	City Noise Standard (dBA CNEL)	Significant?
	Truck Back-up Alarms	97	3.28	803	35.5				
	Parking / Fueling	50.4	50	618	28.6				
	Landscape Maintenance	70	5	513	29.8				

1. The distance is from the location of the operational noise source to the sensitive receptor property line.
2. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.
3. Refer to Appendix E for noise methodology and calculations.

Off-Site Traffic Noise

The proposed project would result in additional traffic on adjacent roadways from daily activities, thereby increasing vehicular noise in the vicinity of existing and proposed land uses. Based on the TIS, typical daily activities are forecast to generate a total of 5,816 daily vehicle trips. However, with pass-by trips, the project would result in 4,986 net new trips. In general, traffic noise level increases of less than 3 dBA is barely perceptible to people, while a 5-dBA increase is readily noticeable. Generally, traffic volumes on project area roadways would have to approximately double for the resulting traffic noise levels to increase by 3 dBA. Therefore, permanent increases in ambient noise levels of less than 3 dBA are considered to be less than significant.

Traffic noise levels for roadways primarily affected by the project were calculated using the FHWA-RD-77-108. Traffic noise modeling was conducted for conditions with and without the project, based on traffic volumes obtained from the TIS. The calculated traffic noise levels for the "Opening Year Without Project" and "Opening Year With Project" scenarios are compared in *Table 5.13-7: Opening Year and Opening Year Plus Project Traffic Noise Levels.* As depicted in *Table 5.13-7*, under the "Opening Year Without Project" scenario, noise levels would be approximately 67.5 dBA along 12th Avenue. The "Opening Year With Project" scenario noise levels would range from approximately 68.6 dBA to 68.9 dBA along 12th Avenue.

Table 5.13-7: Opening Year and Opening Year Plus Project Traffic Noise Level

Roadway Segment	Opening Year Without Project		Opening Year With Project		Change	Land Use Compatibility Standard (dBA CNEL)[2]	Significant Impacts
	ADT[1]	dBA CNEL at 50 feet from Roadway Centerline	ADT[1]	dBA CNEL at 50 feet from Roadway Centerline			
12th Avenue							
North of Hayden Avenue	17,500	67.5	21,489	68.9	1.4	60	No
South of Hayden Avenue	17,489	67.5	18,486	68.6	1.1	60	No

ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level.
1. ADTs derived from the Kimley-Horn Associates (April 2025).

2. The acceptable land use compatibility standard is used in this analysis (60 dBA CNEL); refer to *Table 5.13-1*.

As depicted in *Table 5.13-7*, the "Opening Year With Project" scenario traffic noise levels would not exceed the 3.0 dBA increase significance threshold along the surrounding roadways. Therefore, the project would not result in a perceptible increase in traffic noise levels and impacts would be less than significant.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact.

Construction

Increases in groundborne vibration levels attributable to the project would be primarily associated with construction-related activities. Construction on the project site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. The effect on buildings located in the vicinity of the construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The types of construction vibration impacts include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on the soil composition and underground geological layer between vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. For example, for a building that is constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.2 in/sec PPV is considered safe and would not result in any construction vibration damage. The City does not provide numerical vibration standards for construction activities. As the nearest structure is a daycare building to the south of the project site, this impact discussion uses the FTA and Caltrans structural damage criterion of 0.2 in/sec PPV and the human annoyance criterion of 0.4 in/sec PPV.

*Table 5.13-8: Typical Construction Equipment Vibration Levels****Error! Reference source not found.****,* lists reference vibration levels at 25 feet for typical construction equipment. As indicated in ***Error! Reference source not found.*** *5.13-8,* based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during project construction range from 0.003 to 0.210 in/sec PPV at 25 feet from the source of activity.

The nearest structure to proposed construction activities is a daycare building located approximately 193 feet to the south. As indicated in *Table 5.13-8*, construction vibration levels at the nearest structure would range from less than 0.001 in/sec PPV to 0.010 in/sec PPV. Therefore, construction groundborne vibration would not exceed the structural damage criterion (0.2 in/sec PPV) and human annoyance criterion (0.035 in/sec PPV). In addition, construction activities would occur throughout the project site and would not be concentrated at the point closest to the nearest structure. Therefore, vibration impacts associated with the project construction activities would be less than significant.

Table 5.13-8: Typical Construction Equipment Vibration Level

Equipment	Peak Particle Velocity At 25 feet (in/sec)	Peak Particle Velocity At 193 feet (in/sec)
Large Bulldozer	0.089	0.004
Loaded Trucks	0.076	0.004
Small Bulldozer/Tractors	0.003	<0.001
Vibratory Compactor/Roller	0.210	0.010

Notes:
1. Calculated using the following formula: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$
where: PPV_{equip} = the peak particle velocity in in/sec of the equipment adjusted for the distance
PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.
D = the distance from the equipment to the receiver

Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.

Operations

The project would include truck movement activity at the project site. These movements would generally be low-speed (i.e., less than 15 miles per hour) and would occur over new, smooth surfaces. For perspective, Caltrans has studied the effects of propagation of vehicle vibration on sensitive land uses and notes that "heavy trucks, and quite frequently buses, generate the highest earthborn vibrations of normal traffic." Caltrans further notes that the highest traffic-generated vibrations are along freeways and state routes. Their study finds that "vibrations measured on freeway shoulders (five meters from the centerline of the nearest lane) have never exceeded 0.08 in/sec, with the worst combinations of heavy trucks and poor roadway conditions (while such trucks were moving at freeway speeds). This level coincides with the maximum recommended safe level for ruins and ancient monuments (and historic buildings)".[25] Since the Project's truck movements would be at low speed (not at freeway speeds) and would be over smooth surfaces (not under poor roadway conditions), Project-related vibration associated with truck activity would not result in excessive groundborne vibrations; no vehicle-generated vibration impacts would occur. In addition, there are no sources of substantial groundborne vibration associated with the Project, such as rail or subways. The Project would not create or cause any vibration impacts due to operations. Impacts would be less than significant in this regard.

[25] California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol ("TeNS")*, September 2013.

c) *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

Less Than Significant Impact. The nearest airport to the project site is Hanford Municipal Airport located approximately 2.52 miles east of the project site. Therefore, the project would not be located within two miles of a public airport or within an airport land use plan. Additionally, there are no private airstrips located within the project vicinity. Therefore, the Project would not expose people residing or working in the project area to excessive airport- or airstrip-related noise levels and no impact would occur.

Cumulative Impacts

Cumulative Construction Noise

The City limits construction to the hours of 7:00 a.m. to 8:00 p.m. The project would contribute to other proximate construction noise impacts if construction activities were conducted concurrently. However, based on the noise analysis above, the project's construction-related noise impacts would be less than significant following compliance with local regulations.

Construction activities at other planned and approved projects would be required to take place during daytime hours, and the City and project applicants would be required to evaluate construction noise impacts and implement mitigation, if necessary, to minimize noise impacts. Each project would be required to comply with the applicable HMC limitations on allowable hours of construction. Therefore, project construction would not contribute to cumulative impacts and impacts in this regard are not cumulatively considerable.

Cumulative Operational Noise

Cumulative noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the project and other foreseeable projects. Cumulative noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the project and other projects in the vicinity. However, noise from generators and other stationary sources could also generate cumulative noise levels.

Stationary Noise

As discussed above, impacts from the project's operations would be less than significant. Due to site distance and the fact that noise dissipates as it travels away from its source, noise impacts from on-site activities and other stationary sources would be limited to the project site and vicinity. No known past, present, or reasonably foreseeable projects would compound or increase the operational noise levels generated by the project. Thus, cumulative operational noise impacts from related projects, in conjunction with project-specific noise impacts, would not be cumulatively significant.

Traffic Noise

A project's contribution to a cumulative traffic noise increase would be considered significant when the combined effect exceeds perception level (i.e., auditory level increase) threshold. A described above,

implementation of the project would generate increased traffic volumes along study roadway segments. The project is expected to generate a net of 4,986 average daily trips, which would not result in an increase above ambient noise levels. Therefore, project traffic noise would not be perceptible and would not be cumulatively significant.

5.14 POPULATION AND HOUSING

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
POPULATION AND HOUSING. Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			**X**	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?			**X**	

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less Than Significant Impact. The project site is designated as Regional Commercial (C-R) in the Hanford General Plan. The proposed project does not propose any residential uses that could generate new residents within the City. The proposed project includes a gas service station, convenience store, and RV Dump and air station. The gas station would serve the existing population in the surrounding area and would not substantially induce unplanned population growth. Operation of the proposed project is anticipated to generate approximately 15 to 18 permanent jobs. Employment in the City of Hanford is forecast to increase from approximately 17,042 jobs in 2023 to 25,921 jobs by 2050, representing an increase of about 8,879 jobs (approximately 52 percent) (USCB 2025; KCAG, 2022). In this context, project-related operational employment would represent a very small increment of overall employment growth and would not substantially alter population or housing demand in the City or region. In addition, project construction and operation would create new employment opportunities. The workers are anticipated to come from within the City or surrounding jurisdictions and commute daily to the site. Construction employment would be temporary and would rely on the existing regional construction labor force. Kings County's unemployment rate was approximately 8.4 percent as of September 2025, indicating that an available labor pool exists to support both construction and long-term operational employment without inducing significant growth (EDD. 2025). Additionally, the proposed project would connect to existing City water and sanitary sewer infrastructure located along 12th Avenue and would not require the extension or upsizing of utility mains to serve the project. While utility infrastructure exists in Hayden Avenue and could serve future development to the west, lands west of the project site are already zoned for medium-density residential uses under the General Plan, and any future development in that area would occur independently of the proposed project and consistent with planned growth assumptions. Although it is possible that demand for workers and new connection to city utilities could induce some

people to move to the area this is anticipated to be a small number relative to total demand for construction workers and permanent employees. It is anticipated that, with the recent and continuing growth of the City, there are adequate numbers of people already residing in the area to work on or at the Maverik Hanford site. Therefore, impacts from the proposed project to unplanned population growth are less than significant.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

Less Than Significant Impact. As mentioned above, the project site is not zoned or designated in the General plan to be used for residential uses. There is one existing single-family residence on the project site which will be demolished and removed as part of the project. However, the removal of one single-family residence does not result in the displacement of a significant number of people or housing units. The City of Hanford contained approximately 20,353 housing units as of 2020, with low vacancy rates of approximately 0.3 percent for owner-occupied units and 0.6 percent for renter-occupied units (KGGP, 2010). Housing units in the City are forecast to increase to approximately 25,921 units by 2050, reflecting long-term planned growth and housing availability (KCAG, 2022). The project does not require construction of replacement housing in another location. Therefore, impacts would be less than significant.

Cumulative Impacts

The proposed project would not result in cumulative population or housing impacts when considered together with other past, present, and reasonably foreseeable projects in the City of Hanford. The project would generate approximately 15 to 18 permanent operational jobs and temporary construction employment. However, this level of employment represents a very small percentage relative to forecast employment growth in the City, which is expected to increase by approximately 8,879 jobs between 2023 and 2050. Additionally, Kings County's unemployment rate of approximately 8.4 percent shows that an available labor force exists in the county to accommodate cumulative employment growth without inducing growth or increased housing demand. The project would result in the removal of one single-family residence, which represents a negligible fraction of the City's existing housing of approximately 20,353 units and would not significantly contribute to cumulative housing displacement. In addition, the City's housing supply is forecast to increase to approximately 25,921 units by 2050. The proposed project would be consistent with the planned land uses in the City's General Plan and the population and employment projections for the City and the region as a whole. Impacts from cumulative growth are considered in the context of their consistency with these local and regional planning efforts. Therefore, the proposed project would not cause a cumulatively considerable impact on population and housing and no mitigation is required.

5.15 PUBLIC SERVICES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
PUBLIC SERVICES. Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i) Fire protection?			**X**	
ii) Police protection?			**X**	
iii) Schools?			**X**	
iv) Parks?			**X**	
v) Other public facilities?			**X**	

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

i) Fire protection?

Less Than Significant Impact. There are three Fire Stations located within the City of Hanford. Fire Station 3 at 1070 S 12th Ave is the closest to the project site, located 0.23 miles south. The Hanford Fire Department maintains an average emergency response time of approximately five minutes, and emergency services to the project site are provided up-to-date equipment, including a 2019 Pierce Velocity 110 ladder truck (Unit 162) (City of Hanford, 2025). The City of Hanford's Fire Department will review the development plans for the project to ensure the development adheres to the Fire Departments requirements and the project would include the payment of standard City development impact fees, which include a fee for fire protection service impacts. As of 2024, the Hanford Fire Department staffs approximately 10 firefighters on duty at all times, while the Department has experienced an

approximate 2,000 percent increase in call volume over a 50-year study period ending in 2023, it continues to meet applicable service ratios and response time objectives (City of Hanford, 2024). The nominal population growth associated with the project would incrementally increase the demand for fire protection and emergency medical services to the project site. However, the project would employ approximately 15 to 18 people during operation, and the limited scope of development would not meaningfully increase service demands. The project site is included as a commercial area in the City's General Plan. Furthermore, the project does not propose, and would not create a need for, new/physically altered fire protection facilities. Fire protection services would continue to be provided in accordance with the California Fire Code, which generally requires fire hydrants at intervals of approximately 300 to 400 feet, and the project would remain in compliance with these standards. . Finally, the project would be constructed to meet the latest CBC requirements, and the project is subject to fire suppression development impact fees, other standards and conditions required by the City and County Fire and would be in compliance with the California Fire Code (CFC). Accordingly, the project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, nor would it require new or expanded facilities whose construction could cause significant environmental impacts in order to maintain acceptable service ratios, response times, or other performance objectives for public services. As such, a less than significant impact would occur.

ii) Police protection?

Less Than Significant Impact. The City of Hanford's Police Department is under contract to provide police protection and public safety services within the City, which would include the project site. The Hanford Police Department is located approximately 1.6 miles northeast from the project site. The Hanford Police Department maintains an average response time of approximately eight minutes for Priority 1 calls, consistent with acceptable service standards. The Hanford Police Department consists of approximately 65 sworn officer positions and 28 professional staff positions, with officers responding to an average of 13 calls for service per day and maintaining a service ratio of approximately 1.08 officers per 1,000 residents (City of Hanford, 2024). The nominal population growth associated with the project would incrementally increase the demand for police protection services to the project site. However, the proposed commercial development would not result in any unique or more extensive crime problems that cannot be handled with the existing level of police resources. In addition, the project would incorporate substantial on-site lighting and security camera systems designed to deter criminal activity, further reducing the potential demand for police services. Furthermore, the project would not have a significant impact on police response times, because the project site is planned commercial consistent with the City's General Plan and is subject to police fee for development per unit. Therefore, project impacts concerning police protection services would be less than significant and no mitigation is required. Additionally, the project does not propose, and would not create a need for, new/physically altered police protection facilities; thus, less than significant environmental impacts would occur in this regard.

iii) Schools?

Less Than Significant Impact. The following schools are in the local vicinity of the project site; Roosevelt Elementary School approximately 0.87 mile to the east, Martin Luther King Jr Elementary School approximately 1.1 miles southeast, Lincoln Elementary School approximately 1.6 miles east, Learn4Life – Kings Valley Academy II approximately 1.5 miles northeast, and Crossroads Charter Academy approximately 1.45 miles northeast. The nominal population growth due to the proposed project would not cause any significant increase in demand on the above listed schools in the area. According to Government Code Section 65996, the payment of development fees authorized by SB 50 are deemed to be full and complete school facilities mitigation. The project would be required to pay mandated development fees for commercial buildings. As such, impacts are anticipated to be less than significant impact.

iv) Parks?

Less Than Significant Impact. Parks in the local vicinity to the project site include Centennial Park approximately 0.42 miles southeast, Rotary Park approximately 1.2 miles northeast, Hood Park approximately 1.87 miles southwest, Coe Park approximately 1.70 miles east, and Lacey Park approximately 2.0 miles northeast of the project site. The City's Parks and Recreation Department is supported by an estimated staff of up to approximately 50 parks and recreation personnel, and existing facilities are maintained to serve current and planned development consistent with the City's General Plan. Due to proposed commercial uses it is not anticipated that the project would create additional need for recreational facilities. The project overall would only result in nominal population growth and would employ approximately 15 to 18 people, which would not meaningfully increase the use of nearby parks or recreational facilities. Although the project would bring new residents to the general area, the use of surrounding parks and other facilities has been accounted for in the General Plan. Furthermore, the proposed gas station would provide regional commercial land uses that primarily serves customers at a regional scale. The proposed commercial development would not significantly increase the demand of such services and a less than significant impact would occur.

v) Other public facilities?

Less Than Significant Impact. Other public facilities in the area such as health care, production, libraries, etc. would not be adversely impacted by the proposed project. Library services are provided by the Kings County Library – Hanford Branch, which serves the project area and surrounding community. The proposed project would be consistent with the City of Hanford General Plan and would employ 15-18 people, which would not significantly increase usage and demand for public facilities. Accordingly, the project would not require the expansion or construction of new public facilities to maintain acceptable service levels, and impacts on public facilities, including library services, would be less than significant.

Cumulative Impacts

The project would be consistent with the current General Plan and Zoning designations, the project would not result in substantial incremental effects to public services or facilities that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable projects. While employment growth in the City of Hanford is anticipated to increase by approximately 8,879 jobs between 2023 and 2050, regional service demand associated with this growth has been evaluated and accounted for through the City's long-range planning efforts and General Plan buildout assumptions. Accordingly, the proposed project would not result in a substantial increase in regional demand for public services. The City collects fees at the time of building permit issuance to offset the cumulative impact on new development on fire and police services. Given the limited employment generated by the project and the City's established fee programs and service planning for past, present, and future development, the project would not contribute to a cumulatively considerable impact on public services or public facilities. Therefore, the project, individually or cumulatively, would not result in cumulatively considerable impacts on public services or facilities.

5.16 RECREATION

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
RECREATION.				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			**X**	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			**X**	

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less Than Significant Impact. The closest existing neighborhood park is Centennial Park at 11731 Hanford Armona Rd approximately 0.42 miles southeast from the project site. The nature of the commercial uses of the proposed project is not likely to generate an increase in population that would use existing recreational facilities in the area. The proposed commercial uses include a gas service station, convenience store, and RV Dump and air station. These uses would not increase population in a manner that would increase demand for recreational facilities. Such that substantial physical deterioration of recreational facilities would occur or be accelerated. Therefore, the project would have a less than significant impact.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Less Than Significant Impact. The proposed project does not include any recreational facilities. The proposed commercial uses include a gas service station, convenience store, and RV Dump and air station. The proposed project would not induce population growth in a way that would require the construction or expansion of recreational facilities. The proposed uses do not lead to a population that would increase use in the surrounding area. Therefore, the proposed project would not have a significant adverse physical effect on the environment, and potential impacts would be less than significant.

Cumulative Impacts

Development of the proposed project is not anticipated to create a significant cumulative increase of recreational facilities. The proposed project would not create a substantial population increase that would result in a significant impact on existing recreational facilities. Therefore, no cumulative impacts on recreational facilities would occur.

5.17 TRANSPORTATION

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRANSPORTATION. Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			**X**	
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			**X**	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			**X**	
d) Result in inadequate emergency access?			**X**	

a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant Impact. Based on Policy T29 of the Hanford General Plan, the project is required to maintain a peak hour Level of Service D of service on streets and intersections with the project study area. A Traffic Impact Study (TIS) was prepared for the project (**Appendix F**) and evaluated Existing (2025), Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project conditions.

Under Existing (2025) plus Project conditions, *Table 5.17-1: Existing (2025) plus Project Intersection Levels of Service*, shows that all study intersections would operate at LOS D or better except the intersection of 12th Avenue at Hayden Avenue, which would experience project-related movement delays resulting in LOS F during both the AM and PM peak hours due to increased minor-street turning volumes.

Under Cumulative (2045) plus Project conditions, *Table 5.17-2: Cumulative (2045) plus Project Intersection Levels of Service* indicates LOS deficiencies would occur at 12th Avenue at Hayden Avenue and Hayden Avenue at the Project Full Access Driveway, with LOS F conditions during peak hours. These deficiencies would represent conflicts with General Plan Policy T29 if unaddressed.

Table 5.17-1 – Existing (2025) plus Project Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Existing (2025)		Existing (2025) plus Project	
					Delay (sec)	LOS	Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	19.6	B	21.8	C
		PM			16.2	B	19.6	B
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	9.1	A	9.6	A
		PM			9.1	A	9.2	A
3	12th Ave at Hayden Ave	AM	D	SSSC	2.1(16.7 WBL)	A(C)	**9.6(55.2 EBL)**	**A(F)**
		PM			2.4(17.0 WBL)	A(C)	**8.9(61.6 EBL)**	**A(F)**
4	12th Ave at Hanford Armona Rd	AM	D	Signal	15.7	B	16.8	B
		PM			17.9	B	19.6	B
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	12.3(25.4 SBL)	B(C)
		PM			-	-	11.0(22.2 SBL)	B(C)

Table 5.17-2 – Cumulative (2045) plus Project Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Cumulative (2045)		Cumulative (2045) plus Project	
					Delay (sec)	LOS	Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	17.5	B	20.2	C
		PM			18.8	B	20.9	C
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	11.7	B	11.9	A
		PM			11.0	B	11.0	B
3	12th Ave at Hayden Ave	AM	D	SSSC	2.2(15.6 WBL)	A(C)	**11.6(76.1 EBL)**	**B(F)**
		PM			2.4(16.1 WBL)	A(C)	**13.3(130.1 EBL)**	**B(F)**
4	12th Ave at Hanford Armona Rd	AM	D	Signal	17.6	B	19.1	B
		PM			24.4	C	31.5	C
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	**26.8(56.4 SBL)**	**D(F)**
		PM			-	-	**52.5(108.4 SBL)**	**F(F)**

To ensure compliance with Policy T29, the project design includes installation of a traffic signal at the intersection of 12th Avenue and Hayden Avenue. With this improvement in place, all study intersections, including the previously deficient intersections, would operate at LOS D or better during both the AM and PM peak hours under cumulative conditions, as shown in *Table 5.17-3: Cumulative (2045) plus Project Improved Conditions Intersection Levels of Service*. Signalization at this location would also improve traffic progression, reduce queue spillback, and alleviate secondary effects at the project driveway.

Table 5.17-3 – Cumulative (2045) plus Project Improved Conditions Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Cumulative (2045)		Cumulative (2045) plus Project		Cumulative (2045) plus Project (Improved)	
					Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS
3	12th Ave at Hayden Ave	AM	D	Signal	2.2(15.6 WBL)	A(C)	**11.6(76.1 EBL)**	**B(F)**	8.2	A
		PM			2.4(16.1 WBL)	A(C)	**13.3(130.1 EBL)**	**B(F)**	8.8	A
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	**26.8(56.4 SBL)**	**D(F)**	2.9 (5.6 SBL)	A(A)
		PM			-	-	**52.5(108.4 SBL)**	**F(F)**	2.7 (5.0 SBL)	A(A)

A queueing issue is also identified at 12th Avenue and Hanford Armona Road during the PM peak hour, which is addressed through retiming of the existing traffic signal. Crash data show higher-than-average collision rates at nearby Highway 198 ramps; however, the project is not expected to worsen conditions, and planned improvements at the project driveway may enhance safety.

The proposed project is being executed in a manner consistent with the City's 2035 General Plan. Trips generated by the proposed project are not anticipated to generate sufficient demand to warrant transit network expansion. Therefore, implementation of the proposed project will not conflict with a program plan, ordinance or policy addressing the circulation systems, including transit, roadway, bicycle, and pedestrian facilities. Impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Less Than Significant Impact. Passed in 2013, SB 743 changes the focus of transportation impact analysis in CEQA from "measuring impacts to drivers" to "measuring the impact of driving". The change has been made by replacing Level of Service (LOS) with Vehicle Miles Traveled (VMT). This shift in transportation impact focus is intended to better-align transportation impact analysis and mitigation outcomes with the State's goals to reduce greenhouse gas (GHG) emissions, encourage infill development, and improve public health through more active transportation. Level of service, or other delay metrics, may still be used to evaluate the impact of projects on drivers as part of land use entitlement review and impact fee programs, and was considered for the analysis of this project (documented separately).

In January 2019, the Natural Resources Agency finalized updates to the CEQA Guidelines including the incorporation of SB 743 modifications. The Guidelines' changes were approved by the Office of Administrative Law and are now in effect. The provisions apply statewide as of July 1, 2020.

To help aid lead agencies with SB 743 implementation, the Governor's Office of Planning and Research (OPR) produced the Technical Advisory on Evaluating Transportation Impacts in CEQA (December 2018) that provides guidance regarding the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project's transportation impact.

- OPR recommends tour- and trip-based travel models to estimate VMT but ultimately defers to local agencies to determine the appropriate tools.

- OPR recommends measuring VMT for residential and office projects on a "per rate" basis.

- OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold. In other words, an office project that generates VMT per employee that is more than 85 percent of the regional VMT per employee could result in a significant impact. OPR notes that this threshold is supported by evidence that connects this level of reduction to the State's emissions goals.

- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.

- OPR states that by adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Generally, retail development including stores smaller than 50,000 square feet might be considered local serving.

- Lead agencies have the discretion to set or apply their own significance thresholds.

Based on the proposed project's land use information and for the purposes of completing this SB 743 analysis to identify transportation-related significant impacts, the project was analyzed as a "Retail" land use. Based on the nature of the land use description provided, the retail use was analyzed qualitatively. The City of Hanford has adopted SB 743 guidance and accompanying thresholds. The City's VMT Thresholds and Implementation Guidelines document from November 2022 was used as the basis for the analysis documented herein.

Page i of the Guidelines specifically addresses how local-serving retail should be evaluated in terms of its VMT impact. As described, the threshold for significance for retail projects is "a net increase." This threshold definition means that if a proposed facility produces one additional VMT, it will result in a finding of significance. However, page 6 of the document further explains that local retail stores can be determined to result in an overall VMT reduction. This finding is consistent with the desire to develop more sustainable communities that have fewer transportation impacts.

Local-serving retail (e.g., gas station/convenience market) primarily serves pre-existing needs (i.e. they do not generate new trips because they meet existing demand). Because of this dynamic, local-serving retail uses can be presumed to reduce trip lengths when a new use is proposed. Essentially, the assumption is that someone will travel to a newly constructed, local-serving establishment because of its proximity, rather than the proposed retail store fulfilling an unmet need (i.e. the person had an existing need that was met by the retail located farther away and is now traveling to the new use because it is closer to the person's origin location). This relationship results in a trip on the roadway network becoming shorter, rather than a new trip being added to

the roadway network. Conversely, residential and office land uses often drive new trips given that they introduce new participants to the transportation system. The Guidelines provides a threshold of 55,000 square feet per establishment as an indicator as to whether a retail use can be considered local-serving or not. Based on the understanding that no single building within the proposed project would exceed 55,000 square foot, it is presumed that the proposed retail uses will not result in a significant impact.

Exhibit 1: *Vehicle Miles Traveled (VMT) by Land Use* is provided to visually demonstrate the basis of this finding. As shown in Exhibit 1, the introduction of a new retail use often has the effect of redistributing existing customer trips in a manner that reduces average trip lengths, thereby resulting in a VMT reduction (i.e. trip segments that were 3 miles prior to the new retail store are reduced to 1 mile with the addition of the new retail store).

In terms of employee trips, most often an important strategy for reducing VMT in a rural community is to improve the local jobs/housing balance by increasing the number of employment opportunities. As such, it is reasonable to expect that increasing local employment opportunities will reduce the average commuter trip lengths of residents, thereby resulting in a net decrease to regional net VMT.

OPR's Technical Advisory indicates that, although heavy-duty vehicle traffic can be included for analysis convenience, the VMT analysis requirements are specific to passenger-vehicles and light duty trucks. It is generally understood that Interstate commerce and related heavy-duty vehicle traffic are regulated by the Federal government as it relates to commerce. Irrespective of this guidance, it is reasonable to assume that the location of this project adjacent to SR-198 offers services for the traveling public and truck drivers that are already on the roadway system and need to stop for services. With the exception of employee commute trips, the trips for this type of use are generally pass-by or diverted link. Accordingly, it is reasonable to assume that the proposed Maverik would not generate new demand, rather it would satisfy existing demand that would therefore shorten the distance that customers would otherwise travel.

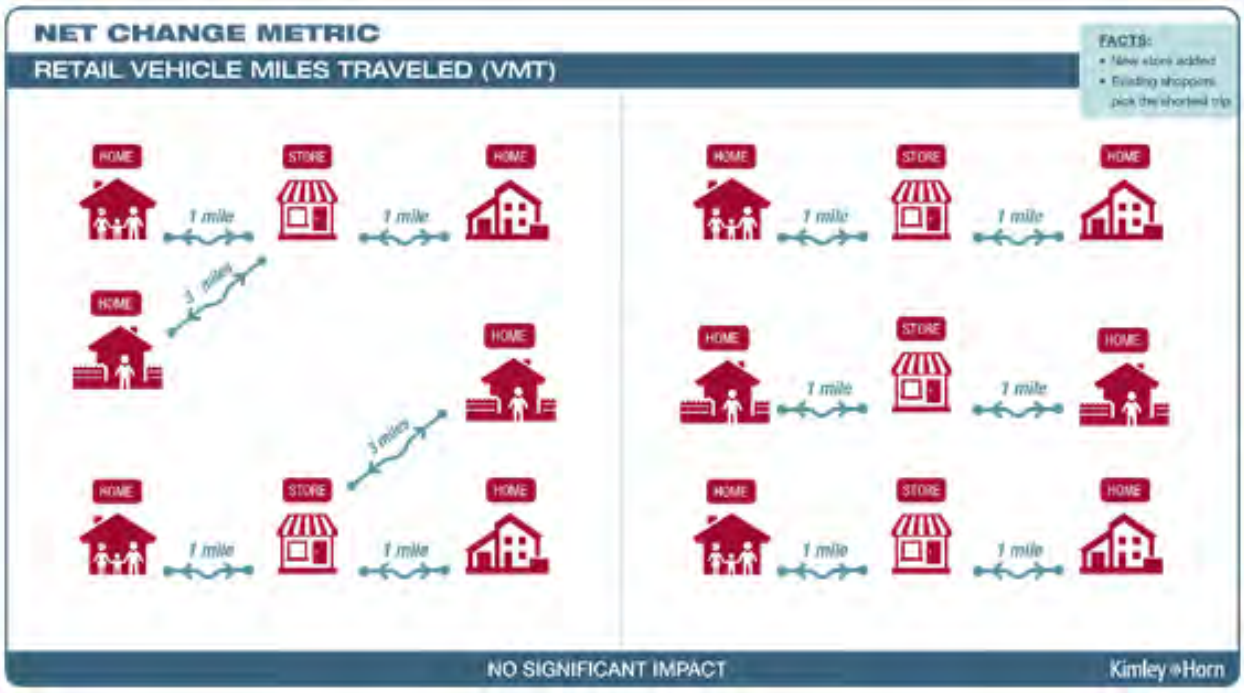


Exhibit 1: Vehicle Miles Traveled (VMT) by Land Use

Other site-related trips, often the smallest number and shortest distance of trips for a facility such as the proposed project, include employee lunches offsite, maintenance teams for on-site infrastructure, supply deliveries, etc. As such, their impact to the overall VMT of the site is likely minimal and it is not likely that they are impactful to the local transportation system and are secondary to the other two trip types discussed above.

Finally, as noted above, while this facility is expected to provide additional jobs and some related trips to the area, the facility itself is not expected to be the principal catalyst for new trips. Rather, it is anticipated that these trips would most likely occur regardless of whether this location was developed. The proposed project is reasonably considered to be proposed in response to an existing demand for services for road users already on the roadway network. Accordingly, if this site were not developed, a similar site would be developed elsewhere to meet this demand and, as such, the alternative to this development would likely not eliminate any related VMT. In consideration of this and the other points discussed above, the project is not anticipated to result in a significant impact under CEQA pursuant to SB 743.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. The proposed project would not substantially increase hazards to vehicle safety due to increased traffic at locations with geometric design features (e.g., sharp curves or dangerous intersections). Construction of the project would generate temporary vehicle trips associated with workers, vendors, and material hauling, varying by construction phase. As

shown in the CalEEMod assumptions, daily construction activity would include worker trips ranging from approximately 10 to 18 one-way trips per day per phase, vendor trips as needed, and hauling trips during select phases, including up to approximately 64 one-way haul trips per day during grading activities. Haul trips are assumed to travel an average distance of approximately 20 miles, while worker trips average approximately 10.6 miles. Construction vehicle activity would consist of a mix of light-duty automobiles and light-duty trucks for worker trips, and heavy-duty diesel trucks for vendor deliveries and material hauling, consistent with CalEEMod default vehicle class assignments. The project does not introduce incompatible users (e.g., farm equipment) to a roadway or transportation facility not intended for those users. The project's impact with regard to roadway design and users is not considered significant. Impacts would be less than significant.

d) Result in inadequate emergency access?

Less Than Significant Impact. Emergency vehicle access would be maintained at all times throughout construction activities, in accordance with the City's routine/standard construction specifications. Further, construction activities would not impede emergency access to any local roadways or surrounding properties. All driveways and internal site access roads would be constructed to accommodate all emergency vehicles and personnel. Further emergency access discussion is located within Section 5.9, Hazards. Project impacts regarding emergency access would be less than significant.

Cumulative Impacts

The project would remain consistent with existing transportation standards in accordance with the City of Hanford 2035 General Plan. Therefore, the proposed project would not result in incremental effects to transportation that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects. Potential impacts are not cumulatively considerable and less than significant.

5.18 TRIBAL CULTURAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRIBAL CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: i) Listed or eligible for listing in the California:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?		**X**		
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?		**X**		

a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is: i) Listed or eligible for listing in the California:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

And,

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less Than Significant With Mitigation Incorporated. A Cultural Resources Study for the project site was conducted by Kimley-Horn in October 2024. As previously mentioned, there were no historical resources found on-site found to be significant, this is substantiated through a SSJVIC records search, NRHP records search, CRHR records search, NHL records search, and BERD records search, a pedestrian survey of the project area, a cultural resources records search, Sacred Lands File search, literature review, review of cultural databases and repositories, and review of historic maps and imagery. However, the absence of substantial surface prehistoric or historic-period archeological remains within the project vicinity and the existing level of disturbance does not preclude the possibility of subsurface resources. Though the circumstances would present a low possibility, the following mitigation measure (MM) would reduce impacts in the unanticipated discovery of cultural resources during construction. With the implementation of **MM CUL-1** and **MM CUL-2**, impacts would be less than significant.

Pursuant to Assembly Bill 52, the City of Hanford, as Lead Agency, is required to notify California Native American tribes that have requested notification of projects within the City's jurisdiction. The City contacted the Santa Rosa Rancheria Tachi Yokut Tribe to notify them of the project and inquire if a consultation would be requested. The Tribe did request a consultation which took place between the City and the Tribe. The tribe requested construction monitoring agreements be established with the applicant which the City has helped facilitate. AB 52 tribal communications are maintained in the administrative record for the project and are available for public review upon request.

The Native American Heritage Commission (NAHC) conducted a search of Sacred Lands Files (SLF) for the Project area and vicinity at the request of the project applicant. The NAHC responded on September 24, 2024, and indicated that the results are negative for documented sacred lands in or near the Project area (Appendix B).

Impacts on tribal cultural resources are considered less than significant with mitigation.

Cumulative Impacts

The combination of the proposed project as well as past, present, and reasonably foreseeable projects in the local area would be required to comply with all applicable State, federal, and County and local regulations concerning preservation, salvage, or handling of cultural and paleontological resources, including compliance with required mitigation. Similar to the proposed project, these projects also would be required to implement and conform to mitigation measures, which would be likely to reduce impacts to less than significant. Although in the process of development, some known or unknown resources may be lost, it is not anticipated that these impacts would be cumulatively considerable. In addition,

implementation of **Mitigation Measures MM CUL-1** and **MM CUL-2**, would reduce project-specific impacts to a less than significant level. Therefore, the project's contribution to cumulative impacts would be less than significant.

5.19 UTILITIES AND SERVICE SYSTEMS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
UTILITIES AND SERVICE SYSTEMS. Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			**X**	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			**X**	
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			**X**	
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			**X**	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			**X**	

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

And,

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. The proposed project would connect to the City's existing water and sanitary sewer system. As part of this connection, the proposed project would not be required to

increase the size of existing water and sanitary sewer lines in order to serve the proposed project. The current diameter of existing collector lines within the city range in size from 4 to 42 inches with a daily flow of 4.5 million gallons per day (mgd) (City of Hanford, 2022). The proposed project would be consistent with planned growth in the General Plan, in that it would be consistent with the type of development planned for this area in the General Plan. The City has sufficient capacity, approximately 8 mgd, in its domestic water and sanitary sewer systems to accommodate development within the proposed project. Furthermore, available data from a comparable Maverik gas station in Sacramento indicate an annual operational water and wastewater demand of approximately 513,000 gallons. Based on this comparison, the proposed project is anticipated to have a similar level of demand that would not significantly affect the City's water supply or wastewater systems. Thus, the project would not require the extension of sewer mains, water lines, storm water drainage lines, or natural gas pipelines to the project site, as these lines are already available on 12th Avenue. Only connecting lines from the project site to these existing facilities would be required. Electrical and telecommunication lines are available in the project vicinity and can be extended to the project site as necessary. Electrical utilities for the project site are provided by Pacific Gas & Electric (PG&E). Based on the analysis from **Section 5.6**, *Energy*, the construction and operational phases combined make up less than 0.6% of King County's annual energy consumption. Therefore, the project overall will not have a significant impact on electrical utilities. Furthermore, The project does not propose the relocation of any existing utility lines or facilities. Thus, Project impacts would be less than significant.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less Than Significant Impact. In 2021, the City adopted the City of Hanford 2020 Urban Water Management Plan (UWMP), as required by the Urban Water Management Planning Act of 1983. The UWMP serves as a long-term planning document for sustainable water supply, and includes a description of water sources, historical and projected water use, and a comparison of water supply and demand during normal and dry years. The UWMP has identified regional water demand in normal, single dry, and multiple dry years in five-year increments. Water demand projections were based on buildout of the City's General Plan. *Table 5.19-1* and *Table 5.19-2* show the projected water supply and demand totals during a normal year and during a single dry year, respectively. *Table 5.19-3* shows the projected supply and demand totals under multiple dry year conditions for the first, second, third, fourth, and fifth years.

Table 5.19-1: Normal Year Supply and Demand Comparison

	2025	2030	2035	2040	2045
Supply Totals	15,110	15,351	15,602	15,866	16,142
Demand Totals	11,623	12,172	12,748	13,351	13,982

Difference	3,488	3,179	2,855	2,515	2,160

NOTES:
(-) indicates a negative value
SOURCE: City of Hanford 2020 Urban Water Management Plan, October 2021

Table 5.19- 2: Single Dry Year and Demand Comparison

	2025	**2030**	**2035**	**2040**	**2045**
Supply Totals	15,110	15,351	15,602	15,866	16,142
Demand Totals	12,971	13,584	14,227	14,899	15,604
Difference	2,140	1,767	1,376	967	538

NOTES:
(-) indicates a negative value
SOURCE City of Hanford 2020 Urban Water Management Plan, October 2021

Table 5.19- 3: Multiple Dry Years Supply and Demand Comparison

		2025	**2030**	**2035**	**2040**	**2045**
1st Year	Supply Totals	15,110	15,351	15,602	15,866	16,142
	Demand Totals	12,971	13,584	14,227	14,899	15,604
	Difference	2,140	1,767	1,376	967	538
2nd Year	Supply Totals	15,110	15,351	15,602	15,866	16,142
	Demand Totals	12,971	13,584	14,227	14,899	15,604
	Difference	2,140	1,767	1,376	967	538
3rd Year	Supply Totals	15,110	15,351	15,602	15,866	16,142
	Demand Totals	12,971	13,584	14,227	14,899	15,604
	Difference	2,140	1,767	1,376	967	538

4th Year	Supply Totals	15,110	15,351	15,602	15,866	16,142
	Demand Totals	12,971	13,584	14,227	14,899	15,604
	Difference	2,140	1,767	1,376	967	538
5th Year	Supply Totals	15,110	15,351	15,602	15,866	16,142
	Demand Totals	12,971	13,584	14,227	14,899	15,604
	Difference	2,140	1,767	1,376	967	538

NOTES:
(-) indicates a negative value
SOURCE: City of Hanford 2020 Urban Water Management Plan, October 2021

Based on the above, the City of Hanford does not anticipate a water supply shortage. Nonetheless, the City of Hanford UWMP lists shortage response actions pertaining to demand reduction, supply augmentation, operation changes, additional mandatory restrictions, and an emergency response plan.

Inclusion of the UWMP as well as implementation of the City's Water Shortage Contingency Plan would ensure that adequate water supplies are available to serve buildout of the General Plan. Therefore, projected water supplies would be sufficient to satisfy water demands associated with the proposed project while still meeting the current and projected water demands of existing customers within the service area. Impacts would be less than significant.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

And,

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less Than Significant Impact. The City of Hanford, in partnership with Kings Waste and Recycling Authority (KWRA), provides recycling services for the City of Hanford, however, KWRA does not operate an active landfill. Solid waste is hauled from the Material Recovery Facility (MRF), located approximately 4.35 miles to the southeast of the project site, to the State permitted 320-acre Chemical Waste Management Landfill site in Kettleman Hills (CWMI – KHF), or MSW Landfill B-19, located approximately 31.4 miles southwest of the project site. According to the Landfill Methane Outreach Program (LMOP) Landfill and Landfill Gas Energy Project Database[26], the CWMI - KHF (MSW Landfill B-19) has a closure date of 2083 and is currently operating at 29% capacity.

[26] U.S. Environmental Protection Agency, 2024, Landfill Methan Outreach Program (LMOP) Landfill Technical Data, Available at https://www.epa.gov/lmop/landfill-technical-data#:~:text=The%20LMOP%20Landfill%20and%20Landfill,gas%20collection%20system%20status%20and.

Estimates for projects of similar scale states that Construction typically generates approximately 3.9 pounds of debris per square foot of building area and operational waste for a combined retail and auto service facility is estimated at roughly 0.9 lb/100 sq ft/day (CMI Group, 2025). Based on the landfill capacity, above the project would not significantly impact landfill capacity. Additionally, the proposed project would be consistent with planned growth in the Hanford 2035 General Plan, in that it would be consistent with the type of development planned for this area in the General Plan. Furthermore, the proposed project would comply with AB 341, AB 1826, and SB 1383 through participation in the City of Hanford and KWRA recycling and organics diversion programs, provision of on-site recycling and organics containers, and employee education, and would comply with CalGREEN Section 4.408 by diverting a minimum of 65 percent of construction and demolition waste, including demolition of the existing residence, through recycling and salvage. Therefore, the capacity identified by the LMOP Landfill and Landfill Gas Energy Project Database, is more than sufficient to serve the proposed project. Because the MSW Landfill B-19 has adequate capacity for the construction and operation of the Proposed project would have a less than significant impact.

The proposed project would not interfere with regulations related to solid waste or generate waste in excess of the capacity of local infrastructure. The proposed project would have a less than significant impact in this regard.

Cumulative Impacts

Utilities are generally provided or delivered on a local level but often originate from sources outside of the City as part of a regional distribution system. Similar to the project, other projects within the City would be required to adhere to the Standard Conditions of Approval related to water efficiency, utilities services and plans, and drainage. As shown above a cumulative analysis of water supply and demand was identified for multiple water years. There was no identified shortage in their five-year comparison. Additionally, the proposed project would connect to existing stormwater facilities. Furthermore, the proposed project would be consistent with the General Plan. Therefore, implementation of the project would not result in a cumulatively considerable contribution to impacts on water supply and wastewater, stormwater, or solid waste generation.

The coordination process associated with the preparation of development and infrastructure plans is intended to ensure that adequate resources are available to serve both individual projects and cumulative demand for resources and infrastructure as a result of cumulative growth and development in the area. Individual projects are subject to review for utility capacity to avoid unanticipated interruptions in service or inadequate supplies. Other planned projects are subject to connection and service fees to assist in facility expansion and service improvements triggered by an increase in demand. The proposed project would not result in incremental impacts to utilities or service systems, that taken in sum with past, present, and reasonably foreseeable projects, would not result in significant cumulative utility impacts.

5.20 WILDFIRE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			**X**	
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			**X**	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			**X**	
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			**X**	

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The project site is not located in or near a LRA or SRA, nor is the site designated as a Very High Fire Severity Zone (VHFHSZ), as seen in **Figure 9: Fire Hazard Severity Zone**. The project site is served by direct access to Hayden Avenue, with regional access provided via the 12th Avenue/Highway 198 interchange. In the event of a wildfire evacuation, on-site drive aisles would facilitate orderly vehicle egress to the surrounding roadway network. Due to the site's limited size and occupancy, evacuation demand would be low. Project design includes adequate driveway geometry and internal circulation to avoid dead-end conditions and to accommodate emergency vehicle access and maneuvering. Additionally, the project would comply with all local regulations related to emergency access/evacuation. As such, a less than significant impact would occur in this regard.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less Than Significant Impact. Refer to the previous response a). In addition, the proposed fueling station includes potential ignition sources (e.g., fuel dispensers and vehicle engines). However, these features would be designed, constructed, and operated in accordance with applicable fire and building codes, including California Fire Code requirements. Underground storage tanks and associated piping would meet applicable State standards for leak prevention and fire safety. Compliance with these requirements would minimize the potential for ignition and fire spread. Therefore, the project would not exacerbate wildfire risks or expose occupants to significant pollutant concentrations from wildfire.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less Than Significant Impact. The project includes standard infrastructure, including roadways, utilities, and fire suppression systems.

The proposed project will utilize existing utility stubs onsite, street lighting along 12th Avenue, and curbs and gutters already in place along the eastern frontage of the parcel. All of this infrastructure is designed to reduce the risk of fire. Following compliance with the established local and state regulatory framework discussed above, the project would not expose people or structures to a significant risk involving wildland fires and impacts would be less than significant in this regard.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less Than Significant Impact. The project site is not in a VHFHSZ nor located near steep slopes or hillsides (OSFM, 2026). The project would implement efficient landscape maintenance practices and design measures to decrease the release of stormwater running off the site; therefore, the proposed project site would not expose people to downstream flooding or landslides as a result of runoff. Impacts would be less than significant.

Cumulative Impacts

The proposed project area is not within a natural wildfire zone. While development along the Highway 198 corridor could incrementally increase traffic and evacuation demand during an emergency, the project's limited size and occupancy would contribute minimally to regional evacuation needs. The site provides direct access to Hayden Avenue and the 12th Avenue/Highway 198 interchange, facilitating efficient egress for vehicles and emergency responders. Regional wildfire trends are primarily associated with wildland and wildland–urban interface areas, which are not present near the project site. Compliance with applicable fire codes, building standards, and fueling infrastructure safety requirements would further reduce ignition risk. Therefore, the project would not result in a cumulatively considerable

contribution to wildfire risk, evacuation constraints, or fire hazards, and impacts would be less than significant.

5.21 MANDATORY FINDINGS OF SIGNIFICANCE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
21. MANDATORY FINDINGS OF SIGNIFICANCE. Does the project:				
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		**X**		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?		**X**		
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		**X**		

a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant With Mitigation Incorporated. Evaluation of the proposed project as provided in Section 5.4, Biological Resources, has shown that the activities of the proposed project do not have the potential to degrade the quality of the environment and will not substantially reduce the habitat or cause wildlife populations to drop below self-sustaining levels. The project site does not contain any natural vegetation communities and consists of previously disturbed and modified land. Therefore, it does not support sensitive plant communities or substantial wildlife habitat. No sensitive plant species have the potential to occur within the project site. Mitigation measures for biological resources have been developed to reduce potential impacts on sensitive habitats and species to less than significant levels. Swainson's hawk is the only sensitive wildlife species with a low potential to occur on-site due to limited and low-quality foraging habitat, and

no suitable nesting habitat is present. Refer to **Mitigation Measures BIO-1** through **BIO-3** in Section 5.4, Biological Resources.

Also, based on the discussion and findings in Section 5.5, Cultural Resources, there is evidence to support a finding that the proposed project is not eligible for listing in the National Register of Historic Places (NRHP) or the California Register of Historic Resources (CRHR) under any significance criteria. The project is located in an area that does not appear to be sensitive for prehistoric or historic occupation and is considered to have a low to moderate sensitivity for surface sites and very low sensitivity for subsurface sites. Although no archaeological deposits or features were found during the *Cultural Resources Study* (2024), implementation of mitigation measures will ensure that any additional archaeological deposits or features may be discovered are fully protected during implementation of the project. Refer to **Mitigation Measures CUL-1** and **CUL-2** in Section 5.5, Cultural Resources. Therefore, impacts would be less than significant.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less Than Significant With Mitigation Incorporated. As discussed throughout this document, implementation of the proposed project has the potential to result in impacts to the environment that are individually limited, but are not cumulatively considerable, including impacts to biological and cultural resources. In all instances where the project has the potential to contribute to cumulatively considerable impacts to the environment (including the resources listed above) mitigation measures have been imposed to reduce the potential effects to less than significant levels. As such, with incorporation of the mitigation measures imposed throughout this Initial Study, including compliance with local, State, and federal rules and regulations, the proposed project would not contribute to environmental effects that are individually limited, but cumulatively considerable, and impacts would be less than significant.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant With Mitigation Incorporated. The potential for the proposed project to result in environmental effects that could adversely affect human beings, either directly or indirectly, has been discussed throughout this document. In instances where the proposed project has the potential to result in direct or indirect adverse effects to human beings, including impacts to water quality, noise, cultural resources, hazards and hazardous materials, and wildfire, mitigation measures have been applied to reduce the impact to below a level of significance. In other instances, the project design and compliance with existing laws and regulations would reduce impacts of the project to less than significant levels. Therefore, the proposed project as designed, mitigated, and in compliance with existing regulatory requirements, would not have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly. Therefore, impacts would be less than significant with mitigation incorporated.

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APPENDIX A

AIR QUALITY, GREENHOUSE GAS, AND ENERGY MODELING DATA

[Maverik Hanford]
CalEEMod Assumptions

Land Use

Land Use	Size	Metric
Convenience Market with Gas Pumps	5.98	KSF
Parking Lot	246.75	KSF
Other Asphalt Surfaces	52.27	KSF
KSF = thousand square feet; DU = dwelling unit		

Construction

Schedule

Phase Name	Start Date	End Date	Workdays
Demolition	7/11/2026	7/24/2026	10
Site Preparation	9/20/2026	10/2/2026	10
Grading	10/3/2026	10/30/2026	20
Building Construction	11/28/2026	3/16/2027	77
Paving	10/31/2026	11/27/2026	20
Architectural Coating	1/27/2027	3/16/2027	35
Off-site Infrastructure Improvements	7/25/2026	9/25/2026	45

Equipment

Construction Phase	Equipment	Number per Day	Hours Per Day
Demolition	Rubber Tired Dozers	2	8
	Excavators	3	8
	Concrete/Industrial Saws	1	8
Site Preparation	Rubber Tired Dozers	3	8
	Tractors/Loaders/Backhoes	4	8
Grading	Graders	1	8
	Excavators	1	8
	Tractors/Loaders/Backhoes	3	8
	Rubber Tired Dozers	1	8
Building Construction	Forklifts	3	8
	Generator Sets	1	8
	Cranes	1	7
	Welders	1	8
	Tractors/Loaders/Backhoes	3	7
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	6
Off-site Infrastructure Improvement	Trenchers	1	8
	Pavers	1	8
	Rollers	1	8
	Rubber Tired Dozers	1	8

Grading/Earthwork

Phase	Import (CY)	Export (CY)	Haul Distance (mi)
Site Preparation			
Grading	10,300		
CY = cubic yards; mi = miles			

Worker, Vendor, and Haul Trips

Trip Type	# One-Way Trips/Day	Trip Length (miles)
Demolition		
Worker	15	10.6
Vendor	-	3.5
Hauling	4	20.0
On-Site Truck	-	-
Site Preparation		
Worker	18	10.6
Vendor	-	3.5
Hauling	0	20.0
On-Site Truck	-	-
Grading		
Worker	15	10.6
Vendor	-	3.5
Hauling	64	20.0
On-Site Truck	-	-
Building Construction		
Worker	2	10.6
Vendor	1	3.5
Hauling	0	20.0
On-Site Truck	-	-
Paving		
Worker	15	10.6
Vendor	-	3.5
Hauling	0	20.0
On-Site Truck	-	-
Architectural Coating		
Worker	0	10.6
Vendor	-	3.5
Hauling	0	20.0
On-Site Truck	-	-
Off-site Infrastructure Improvement		
Worker	10	10.6
Vendor	-	3.5
Hauling	0	20.0

On-Site Truck	-	-

Demolition

Phase		Amount (CY)	
Demolition		176	
Control	**Frequency**	**PM_{10} (% Reduction)**	**$PM_{2.5}$ (% Reduction)**
Water Demolished Area	2	36	36
CY = cubic yards			
Dust control is mandatory per SJVAPCD Rule 8021.			

Dust from Material Movement

Control	Frequency	PM_{10} (% Reduction)	$PM_{2.5}$ (% Reduction)
Water Exposed Area	2	61	61
Dust control is mandatory per SJVAPCD Rule 8021.			

Operations

Vehicle Data

Land Use	Size	Metric	Trip Rate	Daily Trip Generation
Convenience Market with Gas Pumps	5.98	KSF	786.06	4702
Parking Lot	246.75	KSF	1.15	284
Other Asphalt Surfaces	52.27	KSF	0	0
Total Daily Trips	-	-	-	**4,986**
KSF = thousand square feet; DU = dwelling unit				
100% primary trips; trip lengths and trip type distributions are CalEEMod defaults				

Trip Length

Land Use	Trip Length (miles)		
	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Convenience Market with Gas Pumps	13.06	4.26	2.65
Parking Lot	13.06	4.26	2.65
Other Asphalt Surfaces	13.06	4.26	2.65

Trip Purpose and Percent

Land Use	Trip Percent (%)			Trip Purpose (%)		
	Primary	Diverted	Pass-By	Non-Res H-W / Res H-W	Non-Res W-O / Res H-S	Non-Res O-O / Res H-O
Convenience Market with Gas Pumps	100	0	0	18.86	5.64	75.50
Parking Lot	100	0	0	18.86	5.64	75.50
Other Asphalt Surfaces	100	0	0	18.86	5.64	75.50

Fleet Mix

Land Use	HHD %	LDA %	LDT1 %	LDT2 %	LHD1 %	LHD2 %	MCY %	MDV %	MH %	MHD %	OBUS %	SBUS %	UBUS %

Convenience Market with Gas Pumps	3.51	45.83	3.57	20.78	3.47	0.79	2.22	18.40	0.34	0.87	0.07	0.12	0.03
Parking Lot	100	0	0	0	0	0	0	0	0	0	0	0	0
Other Asphalt Surfaces	3.51	45.83	3.57	20.78	3.47	0.79	2.22	18.40	0.34	0.87	0.07	0.12	0.03

Energy Use

Land Use	Electricity (kWh/year)	Natural Gas (kBTU/year)
Convenience Market with Gas Pumps	235,897.03	0
Parking Lot	227,528.05	0
Other Asphalt Surfaces	0	0
Default natural gas consumption reassigned to electricity per MM GHG-1 (All-Electric Development)		

Stationary Sources

Equipment Type	Fuel Type	# per Day	Hours/ Day	Hours/ Year	HP	Load Factor
Emergency Generators	Diesel	1	1	50	400	0.74
HP = horsepower						

Emergency Backup Generator Emissions

	Fuel Type	Quantity	HP	LF	Hours/Year per Unit	Hours per Day	HP-hr per day	Total hp-hr per year
Backup Generator	Diesel	1	400	0.74	50	1	296	14,800
Backup Generator >750 hp	Diesel	0	3,600	0.74	50	1	0	0

UNMITIGATED

	ROG	TOG	CO	NO_X	SO_2	PM_{10}	$PM_{2.5}$	CO_2	CH_4	N_2O	CO_2e
Emissions Rates (g/hp-hr)	1.020	1.120	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004	-
Emissions Rates (>750) (g/hp-hr)	1.020	1.120	2.600	4.560	0.005	0.150	0.150	521.640	0.021	0.004	-
Emissions (pounds/day)	0.67	0.73	1.70	1.86	0.00	0.10	0.10	340.41	0.01	0.00	-
Emissions (tons/year)	0.02	0.02	0.04	0.05	0.00	0.00	0.00	8.51	0.00	0.00	-
GHG Emissions (metric tons)	-	-	-	-	-	-	-	7.72	0.00	0.00	7.75

Source: User Guide for CalEEMod Version 2022.1, Appendix G, Table G-40.

MITIGATED

	ROG[1]	TOG[1]	CO[1]	NO_X[2]	SO_X[1]	PM_{10}[2]	$PM_{2.5}$[2]	CO_2[1]	CH_4[1]	N_2O	CO_2e
Emissions Rates (g/hp-hr)	1.020	1.120	2.600	0.500	0.005	0.020	0.020	521.640	0.021	0.004	-
Emissions Rates (>750) (g/hp-hr)	1.020	1.120	2.600	0.500	0.005	0.020	0.020	521.640	0.021	0.004	-
Emissions (pounds/day)	0.67	0.73	1.70	0.33	0.00	0.01	0.01	340.41	0.01	0.00	-
Emissions (tons/year)	0.02	0.02	0.04	0.01	0.00	0.00	0.00	8.51	0.00	0.00	-
GHG Emissions (metric tons)	-	-	-	-	-	-	-	7.72	0.00	0.00	7.75

Source:
1. User Guide for CalEEMod Version 2022.1, Appendix G, Table G-40.
2. Final Rule for Control of Emissions of Air Pollution From Nonroad Diesel Engines and Fuel, Table II.A-4.4 (Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-control-emissions-air-pollution-nonroad).

Potential To Emit Calculator for Gasoline Dispensing Facilities

5/8/2024 - Version 2.0

This sheet calculates the maximum fuel throughput, based on the number of vehicle refueling positions at your GDF. The calculations use fixed values for hours of operation, the time required for each refueling event, and the average amount of fuel dispensed per refueling event.
The sheet than calculates the emissions of VOC from your GDF, based on emissions factors and the attainment status of your location. Note that while this calculator is designed primarily to address emissions of gasoline vapor, it includes algorithms to account for diesel fuel vapor as well and could even be used if the sole fuel dispensed was diesel.

HD truck diesel refueling positions	6					
Automotive dispensers with gasoline or diesel	0					
Automotive/Nonroad Diesel Refueling Positions	0					
Gasoline Vehicle Refueling Positions	**16**					
Location - Ozone Attainment Status	**Nonattainment Area**					
Max. Gasoline Throughput If No Automotive/nonroad Diesel	**3,618,000**	**gallons/year**	**Max. Automotive/Nonroad Diesel Throughput**	**0**	**gallons/year**	9,912
Max. Combined Automotive plus HD Truck Diesel Throughput	**3,082,000**	**gallons/year**	**Max. HD Truck Diesel**	**3,082,000**	**gallons/year**	8,444

Internally fixed values in calculation -- gasoline and automotive/nonroad diesel

Average time between start of refueling events	0.25	hours
Number of hours of GDF operation per day	24	hours/day
Number of days per year open for business	365	days/year
Number of gallons per refueling event	11	gal/refueling event
Percent of refueling events which use automotive diesel dispensers	5	%/year

Internally fixed values -- HD truck diesel

Average time between start of refueling events	0.33	hours
Number of hours of GDF operation per day	24	hours/day
Number of days per year open for business	365	days/year
Number of gallons per refueling event	110	gal/refueling event

Gasoline VOC Emissions -- apply these values to GDFs using USTs or ASTs[7]

Description [4]	VOC Emission factor (lb/1,000 gal)	Potential to Emit VOC (tons/yr)
Add'l Emissions for Small Volume GDFs[6]	11.5	0.000
Storage Tank Filling [1]	0.30	**0.543**
Storage Tank Breathing Losses [2]	0.25	**0.452**
Dispensing [3]	0.32	**0.579**
Totals	**0.870**	**1.574**

Diesel VOC Emissions -- apply these values to GDFs using USTs or ASTs

Description [4]	VOC Emission factor[5]	Potential to Emit VOC
	(lb/1,000 gal)	(ton/yr)
Storage Tank Filling	0.040	**0.062**
Storage Tank Breathing Losses	0.028	**0.042**
Dispensing	0.040	**0.062**
Totals	**0.108**	**0.166**

Methodology

Maximum Throughput (gal/yr) = vehicle refueling positions / refueling event time (hrs) x hours of operation (hr/yr) x fuel dispensed (gal/refueling event)
Potential to Emit of VOC (tons/yr) = Maximum Throughput (gal/yr) x VOC Emission Factor (lb/1,000 gal) x 1 ton/2,000 lbs

Notes:

Emission factors are from AP 42, Chapter 5.2, Transportation and Marketing of Petroleum Liquids, Table 5.2-7, (June 2008), except where noted.

[1] Assume Stage 1 controls are in place. 40 CFR 63, Subpart CCCCCC requires that new or modified gasoline dispensing facilities with a monthly throughput greater than 100,000 gallons per month install Stage 1 vapor balance system that achieves a 90% emissions reduction.

[2] 40 CFR 63, Subpart CCCCCC requires that new or modified gasoline dispensing facilities with a monthly throughput greater than 100,000 gallons per month install pressure/vacuum (PV) vent valves on the storage tank vent pipes. This model uses a 75 percent efficiency for PV valves in reducing breathing losses.

[3] The displacement VOC emission rate in lbs/1000 gallons depends on the gasoline Reid Vapor Pressure, the dispensed fuel temperature, and the difference between the temperature of the fuel in the tank and the dispensed fuel. For these purposes EPA calculated the uncontrolled displacement VOC emission rate in lbs/1000 gallons. EPA has used 10 psi RVP and national average summer-time temperatures for ozone attainment areas. This yields a value of about 10.8 lbs/1000 gallons. EPA has used 7 psi RVP and temperatures representative of the summer-time western US for ozone non-attainment areas. This yields a value of about 7.5 lbs/1000 gallons. In 76 FR 41723, EPA determined that 80% of the vehicle fleet will have ORVR installed as of 2014, and widespread use will be achieved on a national basis on June 30, 2013. Therefore, this value has been reduced by 80% for 2014 and increases each year subsequent to 2014 as fleet turnover occurs.
See memorandum to Public Docket EPA-HQ-OAR-2010-1076, Updated Data for ORVR Widespread Use Assessment, Glenn Passavant, OTAQ, 2012 and U.S.EPA, Guidance on Removing Stage II Gasoline Vapor Control Programs from State Implementation Plans and Assessing Comparable Measures, EPA-457/B-12-001, August 7, 2012.

[4] Even though spillage is a specific category of emissions related to fuel dispensing in AP-42, it is considered a fugitive emission for purposes of NSR permits and thus is not included here.

[5] Diesel emission factors were derived using the no.2 diesel true vapor pressure and vapor molecular weight from AP-42 Table 7.1-2 at 70F and equation 1 of section 5.2.2 with an S factor value of 1.45 for storage tank and vehicle tank filling and an S factor of 1.0 for breathing losses.

[6] GDFs with a gasoline throughput of < 10,000 gallons per month have higher storage tank filling and breathing loss emissions because they are not required to install Stage I vapor recovery controls under 40 CFR 63 CCCCCC.

[7] Using these values for an AST assumes a 45% average ullage in a 2000 gal AST

Construction Fuel Consumption

On-Site Diesel[1] (off-road construction Equipment)	$MTCO_2e$	Gallons of Fuel[4]	Kings County Fuel	Percent
Demolition	16	1,528		
Site Preparation/Grading	51	5,000		
Infrastructure	85	8,320		
Building Construction	16	1,555		
Paving & Architectural Coating	42	4,099		
Total	209	20,502	42,755,538	0.0480%

Off-Site Diesel[1] (on-road construction trips)				
Demolition	1	139		
Site Preparation/Grading	41	4,061		
Infrastructure	0	40		
Building Construction	0	0		
Paving & Architectural Coating	0	0		
Total	43	4,240	42,755,538	0.0099%

Off-Site Gasoline[2]				
Demolition	1	61		
Site Preparation/Grading	2	192		
Infrastructure	1	59		
Building Construction	1	126		
Paving & Architectural Coating	2	182		
Total	5	620	71,589,612	0.0009%

Total Diesel Fuel		24,742	42,755,538	0.0579%
Total Gasoline Fuel		620	71,589,612	0.0009%
Total Construction Fuel	258	25,362		

	$MTCO_2e$								
	Demolition			Site Preparation			Grading		
Construction Phase[3]	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2026	16	1	1	24	0	1	27	41	1
2027									
Total	16	1	1	24	0	1	27	41	1

	$MTCO_2e$								
	Building Construction			Paving & Architectural Coating			Off-site Infrastructure Improvement		
Construction Phase[3]	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gasoline (Worker)
2026	26	0	0	14	0	1	42	0	2
2027	58	0	0	2	0	0			
Total	85	0	1	16	0	1	42	0	2

Notes:

[1] Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

[2] Fuel used for worker trips assumed to be gasoline.

[3] $MTCO_2e$ rates from CalEEMod (3.0 Construction Details).

[4] For CO2e emissions, The Climate Registry, June 2023 Default Emission Factors, see Table 1.1 (U.S. Default Factors for Calculating CO2 Emissions from Combustion of Transport Fuels) https://theclimateregistry.org/wp-content/uploads/2023/06/2023-Default-Emission-Factors-Final-1.pdf. Fuel consumption derived from CO_2e emissions using Climate Registry Conversion ratios.

Climate Registry Conversion Ratios:

- Gasoline: 8.78 kg CO_2 per gallon / 1,000 kg per metric ton
- Diesel: 10.21 kg CO2 per gallon / 1,000 kg per metric ton

Construction Water Energy

Daily Soil Disturbance[1]	3.5	acres
Days of Soil Disturbance[2]	20	days
Water Concentration[3]	3,020	gallons/acre
Water Energy Intensity[4]	2,420	kWh/MG
Total Construction Water	0.21	million gallons
Construction Water Energy	512	kWh
	0.5116	MWh
Kings County Annual Electricity[5]	1,752,054	MWh
Percentage Increase	0.000029%	

Notes:

[1] Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment.

[2] Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

[3] Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

[4] Water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32.

[5] County total energy values from California Energy Commission energy reports available through https://www.energy.ca.gov/files/energy-consumption-data-files (Kings County, Year 2024).

Operational Fuel

Vehicle Type	Annual VMT[2]	MPG[3]	Annual Fuel (Gallons)	Fuel Type	Kings County Gallons[4]	RS Percent
Passenger Cars (Gasoline)	7,331,684	21.6	339,430	Gas	70,243,118	0.4832%
Light/Medium Trucks	459,239	17.2	26,700	Diesel	42,584,054	0.0627%
Heavy Trucks/Other	770,529	6.1	126,316	Diesel	42,584,054	0.2966%
Total Diesel	8,561,452		153,016			0.3593%

Land Use[5]	VMT Total	Passenger Car VMT	Light/Medium Trucks VMT	Heavy Trucks/Other VMT
Convenience Market With Gas Pumps	8,074,207	7,331,684	459,239	283,284
Parking Lot	487,245	-	-	487,245
Other Asphalt Surfaces	-	-	-	-
Total	*8,561,453*	*7,331,684*	*459,239*	*770,529*

Land Use[1]	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Convenience Market with Gas Pumps	0.4583	0.0357	0.2078	0.0222	0.1840	0.0347	0.0079	0.0087	0.0007	0.0003	0.0012	0.0034	0.0351
Parking Lot	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
Other Asphalt Surfaces	0.4583	0.0357	0.2078	0.0222	0.1840	0.0347	0.0079	0.0087	0.0007	0.0003	0.0012	0.0034	0.0351

Notes:

[1] Percent of vehicle trip distribution based on fleet mix from CalEEMod.

[2] Total annual operational VMT based on mitigated annual VMT from CalEEMod (5.9 Operational Mobile Sources).

[3] Average fuel economy derived from Department of Transportation.

[4] Total annual county fuel per EMFAC 2021 model of projected operational fuel usage.

Operational Water Energy

Unmitigated Indoor	0.4	million gallons
Indoor Energy Intensity Factor[1]	3,939	kWh/MG
Unmitigated Outdoor	0.21	million gallons
Outdoor Energy Intensity Factor[2]	2,420	kWh/MG
Operational Water Energy	2,249	kWh
Operational Water Energy	2	MWh
Kings County Annual Electricity[3]	1,752,054	MWh
Percentage Increase	0.00013%	

Land Use[4]	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Convenience Market with Gas Pumps	0.44	0		
Parking Lot	0	0.21		
Other Asphalt Uses	0	0		
Total Operational Water	0.44	0.21	0	0

0.02658%

Notes:

[1] Indoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, distribution, and wastewater.

[2] Outdoor water energy intensity factor for subarea per CalEEMod User Guide, Appendix G, Tab G-32. Factor includes supply, treatment, and distribution.

[3] County total energy values from California Energy Commission energy reports available through https://www.energy.ca.gov/files/energy-consumption-data-files (Kings County, Year 2024).

[4] Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Elecricity/Natural Gas Energy

	Unmitigated Project Annual Energy	Kings County Annual Energy[3]	Percentage Increase
Electricity (kWh/yr)	463,425	1,752,053,551	0.0265%
Electricity (MWh/yr)	463	1,752,054	0.0265%
Natural Gas (kBTU/yr)	0	6,217,948,420	0.0000%
Natural Gas (therms/yr)	0	62,179,484	0.0000%

Land Use	Electricity[1] (kWh/yr)		Natural Gas[2] (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Convenience Market (24 hour)	235,897		0	
Parking Lot	227,528		0	
Other Asphalt Surfaces	0		0	
Total Energy	463,425		0	

Notes:

[1] Electricity use per CalEEMod (5.11 Energy by Land Use).

[2] Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

[3] County total energy values from California Energy Commission energy reports available through https://www.energy.ca.gov/files/energy-consumption-data-files (Kings County, Year 2024).

Maverik Hanford Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.3. Site Preparation (2026) - Unmitigated

3.5. Grading (2026) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Paving (2026) - Unmitigated

3.13. Architectural Coating (2027) - Unmitigated

3.15. Off-site Infrastructure Improvement (2026) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.4. Construction

8.4.1. Construction Phases

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.1.2. Fleet Mix

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Maverik Hanford
Construction Start Date	7/11/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.40000
Precipitation (days)	23.0000
Location	36.31743859243447, -119.67646601321842
County	Kings
City	Hanford
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2612
EDFZ	9
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.37

1.2. Land Use Types

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

Convenience Market with Gas Pumps	5.98200	1000sqft	0.13733	5,982.00	0.00000	—	—	—
Parking Lot	246.747	1000sqft	5.96270	0.00000	12,986.7	—	—	—
Other Asphalt Surfaces	52.2720	1000sqft	1.20000	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.49177	4.62649	41.2238	41.6232	0.06776	1.77456	7.86576	9.64032	1.63259	3.98823	5.62082	—	7,571.96	7,571.96	0.30907	0.08012	1.12554	7,600.65
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.64999	4.42429	29.2273	29.4301	0.05714	1.24251	7.79321	9.03572	1.14311	3.97067	5.11379	—	7,429.45	7,429.45	0.21915	0.72879	0.28152	7,650.97
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.69574	0.59103	5.02786	5.30400	0.01007	0.20570	0.46349	0.66920	0.18963	0.20733	0.39697	—	1,173.02	1,173.02	0.03928	0.04829	0.30242	1,188.69
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.12697	0.10786	0.91758	0.96798	0.00184	0.03754	0.08459	0.12213	0.03461	0.03784	0.07245	—	194.206	194.206	0.00650	0.00799	0.05007	196.801

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.49177	4.62649	41.2238	41.6232	0.06776	1.77456	7.86576	9.64032	1.63259	3.98823	5.62082	—	7,571.96	7,571.96	0.30907	0.08012	1.12554	7,600.65
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.81315	3.20953	29.2273	29.4301	0.05714	1.24251	7.79321	9.03572	1.14311	3.97067	5.11379	—	7,429.45	7,429.45	0.21915	0.72879	0.28152	7,650.97
2027	4.64999	4.42429	10.2495	14.1481	0.02520	0.35577	0.01955	0.37532	0.32732	0.00483	0.33215	—	2,558.37	2,558.37	0.10334	0.02288	0.00215	2,567.77
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.69574	0.59103	5.02786	5.30400	0.01007	0.20570	0.46349	0.66920	0.18963	0.20733	0.39697	—	1,173.02	1,173.02	0.03928	0.04829	0.30242	1,188.69
2027	0.50895	0.47705	1.46179	2.01907	0.00361	0.05125	0.00269	0.05394	0.04715	0.00066	0.04781	—	368.642	368.642	0.01488	0.00329	0.00505	370.000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.12697	0.10786	0.91758	0.96798	0.00184	0.03754	0.08459	0.12213	0.03461	0.03784	0.07245	—	194.206	194.206	0.00650	0.00799	0.05007	196.801
2027	0.09288	0.08706	0.26678	0.36848	0.00066	0.00935	0.00049	0.00984	0.00860	0.00012	0.00873	—	61.0329	61.0329	0.00246	0.00054	0.00084	61.2577

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.8402	16.9091	21.2429	89.2489	0.24846	0.26433	16.8542	17.1185	0.25021	4.29050	4.54071	10.5378	26,026.5	26,037.0	2.13207	1.95294	1,311.54	27,983.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.8314	14.8239	23.4965	84.3758	0.23271	0.26450	16.8542	17.1187	0.25046	4.29050	4.54097	10.5378	24,434.7	24,445.3	2.33039	2.03554	1,242.03	26,352.1

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.1028	15.1410	22.4062	81.3119	0.23714	0.26436	16.6094	16.8738	0.25028	4.22931	4.47959	10.5378	24,881.5	24,892.1	2.22278	1.98887	1,271.00	26,811.3
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.93875	2.76323	4.08914	14.8394	0.04328	0.04825	3.03122	3.07946	0.04568	0.77185	0.81753	1.74465	4,119.42	4,121.17	0.36801	0.32928	210.428	4,438.92

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.6100	16.6825	21.2407	88.9888	0.24845	0.26387	16.8542	17.1181	0.24986	4.29050	4.54036	—	25,583.7	25,583.7	1.03451	1.94576	71.3567	26,260.8
Area	0.23023	0.22665	0.00219	0.26016	0.00002	0.00046	—	0.00046	0.00035	—	0.00035	—	1.06986	1.06986	0.00004	0.00001	—	1.07372
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	439.550	439.550	0.04190	0.00508	—	442.111
Water	—	—	—	—	—	—	—	—	—	—	—	0.84909	2.13336	2.98244	0.08727	0.00209	—	5.78793
Waste	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Total	17.8402	16.9091	21.2429	89.2489	0.24846	0.26433	16.8542	17.1185	0.25021	4.29050	4.54071	10.5378	26,026.5	26,037.0	2.13207	1.95294	1,311.54	27,983.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.6475	14.6400	23.4965	84.3758	0.23271	0.26450	16.8542	17.1187	0.25046	4.29050	4.54097	—	23,993.0	23,993.0	1.23287	2.02837	1.85044	24,630.2
Area	0.18393	0.18393	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	439.550	439.550	0.04190	0.00508	—	442.111
Water	—	—	—	—	—	—	—	—	—	—	—	0.84909	2.13336	2.98244	0.08727	0.00209	—	5.78793
Waste	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Total	15.8314	14.8239	23.4965	84.3758	0.23271	0.26450	16.8542	17.1187	0.25046	4.29050	4.54097	10.5378	24,434.7	24,445.3	2.33039	2.03554	1,242.03	26,352.1

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.8960	14.9360	22.4052	81.1836	0.23713	0.26413	16.6094	16.8735	0.25011	4.22931	4.47942	—	24,439.3	24,439.3	1.12525	1.98169	30.8114	25,088.8
Area	0.20676	0.20500	0.00108	0.12830	0.00001	0.00023	—	0.00023	0.00017	—	0.00017	—	0.52760	0.52760	0.00002	< 0.000005	—	0.52950
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	439.550	439.550	0.04190	0.00508	—	442.111
Water	—	—	—	—	—	—	—	—	—	—	—	0.84909	2.13336	2.98244	0.08727	0.00209	—	5.78793
Waste	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Total	16.1028	15.1410	22.4062	81.3119	0.23714	0.26436	16.6094	16.8738	0.25028	4.22931	4.47959	10.5378	24,881.5	24,892.1	2.22278	1.98887	1,271.00	26,811.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.90102	2.72582	4.08894	14.8160	0.04328	0.04820	3.03122	3.07942	0.04565	0.77185	0.81749	—	4,046.21	4,046.21	0.18630	0.32809	5.10119	4,153.74
Area	0.03773	0.03741	0.00020	0.02341	< 0.000005	0.00004	—	0.00004	0.00003	—	0.00003	—	0.08735	0.08735	< 0.000005	< 0.000005	—	0.08767
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	72.7726	72.7726	0.00694	0.00084	—	73.1966
Water	—	—	—	—	—	—	—	—	—	—	—	0.14058	0.35320	0.49378	0.01445	0.00035	—	0.95826
Waste	—	—	—	—	—	—	—	—	—	—	—	1.60408	0.00000	1.60408	0.16032	0.00000	—	5.61212
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205.327	205.327
Total	2.93875	2.76323	4.08914	14.8394	0.04328	0.04825	3.03122	3.07946	0.04568	0.77185	0.81753	1.74465	4,119.42	4,121.17	0.36801	0.32928	210.428	4,438.92

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

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

Off-Road	2.72490	2.28674	20.6515	19.0056	0.03253	0.84309	—	0.84309	0.77564	—	0.77564	—	3,426.59	3,426.59	0.13900	0.02780	—	3,438.35
Demolition	—	—	—	—	—	—	0.24250	0.24250	—	0.03672	0.03672	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07465	0.06265	0.56580	0.52070	0.00089	0.02310	—	0.02310	0.02125	—	0.02125	—	93.8793	93.8793	0.00381	0.00076	—	94.2014
Demolition	—	—	—	—	—	—	0.00664	0.00664	—	0.00101	0.00101	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01362	0.01143	0.10326	0.09503	0.00016	0.00422	—	0.00422	0.00388	—	0.00388	—	15.5428	15.5428	0.00063	0.00013	—	15.5961
Demolition	—	—	—	—	—	—	0.00121	0.00121	—	0.00018	0.00018	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06872	0.06422	0.04213	0.69975	0.00000	0.00000	0.10883	0.10883	0.00000	0.02633	0.02633	—	125.809	125.809	0.00615	0.00450	0.41254	127.715
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01057	0.00563	0.35280	0.07692	0.00204	0.00582	0.08158	0.08740	0.00582	0.02233	0.02815	—	297.550	297.550	0.00262	0.04782	0.71299	312.580

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00171	0.00157	0.00136	0.01525	0.00000	0.00000	0.00294	0.00294	0.00000	0.00071	0.00071	—	3.16619	3.16619	0.00008	0.00013	0.00488	3.21252
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00028	0.00015	0.01009	0.00213	0.00006	0.00016	0.00221	0.00237	0.00016	0.00061	0.00077	—	8.15466	8.15466	0.00007	0.00131	0.00844	8.55534
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00031	0.00029	0.00025	0.00278	0.00000	0.00000	0.00054	0.00054	0.00000	0.00013	0.00013	—	0.52420	0.52420	0.00001	0.00002	0.00081	0.53187
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00005	0.00003	0.00184	0.00039	0.00001	0.00003	0.00040	0.00043	0.00003	0.00011	0.00014	—	1.35010	1.35010	0.00001	0.00022	0.00140	1.41643

3.3. Site Preparation (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74146	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	—	5,316.12
Dust From Material Movement	—	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.74146	3.14387	29.1635	28.8082	0.04890	1.24251	—	1.24251	1.14311	—	1.14311	—	5,297.94	5,297.94	0.21491	0.04298	—	5,316.12
Dust From Material Movement	—	—	—	—	—	—	7.66623	7.66623	—	3.93995	3.93995	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10251	0.08613	0.79900	0.78927	0.00134	0.03404	—	0.03404	0.03132	—	0.03132	—	145.149	145.149	0.00589	0.00118	—	145.647
Dust From Material Movement	—	—	—	—	—	—	0.21003	0.21003	—	0.10794	0.10794	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01871	0.01572	0.14582	0.14404	0.00024	0.00621	—	0.00621	0.00572	—	0.00572	—	24.0311	24.0311	0.00097	0.00019	—	24.1135
Dust From Material Movement	—	—	—	—	—	—	0.03833	0.03833	—	0.01970	0.01970	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08017	0.07492	0.04915	0.81637	0.00000	0.00000	0.12697	0.12697	0.00000	0.03072	0.03072	—	146.777	146.777	0.00718	0.00525	0.48130	149.001
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07168	0.06566	0.06374	0.62192	0.00000	0.00000	0.12697	0.12697	0.00000	0.03072	0.03072	—	130.026	130.026	0.00424	0.00563	0.01246	131.823
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00200	0.00183	0.00159	0.01779	0.00000	0.00000	0.00343	0.00343	0.00000	0.00083	0.00083	—	3.69389	3.69389	0.00010	0.00015	0.00569	3.74794
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00036	0.00033	0.00029	0.00325	0.00000	0.00000	0.00063	0.00063	0.00000	0.00015	0.00015	—	0.61156	0.61156	0.00002	0.00003	0.00094	0.62051
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95871	1.64586	14.9701	17.4372	0.02732	0.64622	—	0.64622	0.59452	—	0.59452	—	2,959.64	2,959.64	0.12006	0.02401	—	2,969.79

Dust From Material Movement	—	—	—	—	—	—	2.77225	2.77225	—	1.33717	1.33717	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10733	0.09018	0.82028	0.95546	0.00150	0.03541	—	0.03541	0.03258	—	0.03258	—	162.172	162.172	0.00658	0.00132	—	162.728
Dust From Material Movement	—	—	—	—	—	—	0.15190	0.15190	—	0.07327	0.07327	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01959	0.01646	0.14970	0.17437	0.00027	0.00646	—	0.00646	0.00595	—	0.00595	—	26.8494	26.8494	0.00109	0.00022	—	26.9415
Dust From Material Movement	—	—	—	—	—	—	0.02772	0.02772	—	0.01337	0.01337	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06144	0.05628	0.05463	0.53308	0.00000	0.00000	0.10883	0.10883	0.00000	0.02633	0.02633	—	111.451	111.451	0.00364	0.00483	0.01068	112.991

Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.14624	0.07525	5.51583	1.15002	0.02982	0.08519	1.19398	1.27916	0.08519	0.32689	0.41208	—	4,358.37	4,358.37	0.03833	0.69995	0.27084	4,568.18
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00342	0.00314	0.00273	0.03050	0.00000	0.00000	0.00587	0.00587	0.00000	0.00142	0.00142	—	6.33237	6.33237	0.00016	0.00026	0.00975	6.42504
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00825	0.00436	0.29539	0.06224	0.00163	0.00467	0.06469	0.06935	0.00467	0.01773	0.02240	—	238.709	238.709	0.00210	0.03835	0.24697	250.438
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00062	0.00057	0.00050	0.00557	0.00000	0.00000	0.00107	0.00107	0.00000	0.00026	0.00026	—	1.04840	1.04840	0.00003	0.00004	0.00161	1.06374
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00150	0.00080	0.05391	0.01136	0.00030	0.00085	0.01181	0.01266	0.00085	0.00324	0.00409	—	39.5210	39.5210	0.00035	0.00635	0.04089	41.4629

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27993	1.07101	9.85401	12.9664	0.02340	0.37865	—	0.37865	0.34836	—	0.34836	—	2,397.24	2,397.24	0.09724	0.01945	—	2,405.47
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.08516	0.07126	0.65565	0.86273	0.00156	0.02519	—	0.02519	0.02318	—	0.02318	—	159.503	159.503	0.00647	0.00129	—	160.051
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01554	0.01301	0.11966	0.15745	0.00028	0.00460	—	0.00460	0.00423	—	0.00423	—	26.4076	26.4076	0.00107	0.00021	—	26.4982
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00784	0.00718	0.00697	0.06803	0.00000	0.00000	0.01389	0.01389	0.00000	0.00336	0.00336	—	14.2229	14.2229	0.00046	0.00062	0.00136	14.4195
Vendor	0.00088	0.00065	0.02036	0.00972	0.00008	0.00015	0.00288	0.00303	0.00015	0.00080	0.00095	—	11.2959	11.2959	0.00021	0.00161	0.00073	11.7816
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00049	0.00042	0.00473	0.00000	0.00000	0.00091	0.00091	0.00000	0.00022	0.00022	—	0.98128	0.98128	0.00003	0.00004	0.00151	0.99564
Vendor	0.00006	0.00005	0.00132	0.00063	0.00001	0.00001	0.00019	0.00020	0.00001	0.00005	0.00006	—	0.75055	0.75055	0.00001	0.00011	0.00081	0.78359
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00010	0.00009	0.00008	0.00086	0.00000	0.00000	0.00017	0.00017	0.00000	0.00004	0.00004	—	0.16246	0.16246	< 0.000005	0.00001	0.00025	0.16484
Vendor	0.00001	0.00001	0.00024	0.00012	< 0.000005	< 0.000005	0.00003	0.00004	< 0.000005	0.00001	0.00001	—	0.12426	0.12426	< 0.000005	0.00002	0.00013	0.12973
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.9. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18064	0.15116	1.37832	1.89892	0.00343	0.04940	—	0.04940	0.04545	—	0.04545	—	351.822	351.822	0.01427	0.00285	—	353.029
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03297	0.02759	0.25154	0.34655	0.00063	0.00902	—	0.00902	0.00829	—	0.00829	—	58.2481	58.2481	0.00236	0.00047	—	58.4480
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00746	0.00680	0.00640	0.06276	0.00000	0.00000	0.01389	0.01389	0.00000	0.00336	0.00336	—	13.9344	13.9344	0.00042	0.00062	0.00123	14.1298
Vendor	0.00088	0.00065	0.01972	0.00946	0.00008	0.00015	0.00288	0.00303	0.00015	0.00080	0.00095	—	11.0561	11.0561	0.00018	0.00161	0.00068	11.5412
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00111	0.00102	0.00085	0.00964	0.00000	0.00000	0.00201	0.00201	0.00000	0.00049	0.00049	—	2.12064	2.12064	0.00006	0.00008	0.00300	2.15014
Vendor	0.00013	0.00010	0.00281	0.00135	0.00001	0.00002	0.00042	0.00044	0.00002	0.00012	0.00014	—	1.62038	1.62038	0.00003	0.00024	0.00165	1.69314
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00020	0.00019	0.00016	0.00176	0.00000	0.00000	0.00037	0.00037	0.00000	0.00009	0.00009	—	0.35110	0.35110	0.00001	0.00001	0.00050	0.35598
Vendor	0.00002	0.00002	0.00051	0.00025	< 0.000005	< 0.000005	0.00008	0.00008	< 0.000005	0.00002	0.00003	—	0.26827	0.26827	< 0.000005	0.00004	0.00027	0.28032
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90546	0.76084	7.11822	9.93804	0.01395	0.31987	—	0.31987	0.29428	—	0.29428	—	1,510.59	1,510.59	0.06128	0.01226	—	1,515.78
Paving	0.93831	0.93831	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04961	0.04169	0.39004	0.54455	0.00076	0.01753	—	0.01753	0.01612	—	0.01612	—	82.7721	82.7721	0.00336	0.00067	—	83.0562
Paving	0.05141	0.05141	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00905	0.00761	0.07118	0.09938	0.00014	0.00320	—	0.00320	0.00294	—	0.00294	—	13.7039	13.7039	0.00056	0.00011	—	13.7509
Paving	0.00938	0.00938	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06144	0.05628	0.05463	0.53308	0.00000	0.00000	0.10883	0.10883	0.00000	0.02633	0.02633	—	111.451	111.451	0.00364	0.00483	0.01068	112.991
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00342	0.00314	0.00273	0.03050	0.00000	0.00000	0.00587	0.00587	0.00000	0.00142	0.00142	—	6.33237	6.33237	0.00016	0.00026	0.00975	6.42504
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00062	0.00057	0.00050	0.00557	0.00000	0.00000	0.00107	0.00107	0.00000	0.00026	0.00026	—	1.04840	1.04840	0.00003	0.00004	0.00161	1.06374
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.13. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13715	0.11335	0.83116	1.12539	0.00173	0.01905	—	0.01905	0.01752	—	0.01752	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	3.27225	3.27225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01315	0.01087	0.07970	0.10791	0.00017	0.00183	—	0.00183	0.00168	—	0.00168	—	12.8026	12.8026	0.00052	0.00010	—	12.8465
Architectural Coatings	0.31378	0.31378	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00240	0.00198	0.01455	0.01969	0.00003	0.00033	—	0.00033	0.00031	—	0.00031	—	2.11962	2.11962	0.00009	0.00002	—	2.12689
Architectural Coatings	0.05726	0.05726	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00149	0.00136	0.00128	0.01255	0.00000	0.00000	0.00278	0.00278	0.00000	0.00067	0.00067	—	2.78689	2.78689	0.00008	0.00012	0.00025	2.82597
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00014	0.00013	0.00011	0.00126	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.27710	0.27710	0.00001	0.00001	0.00039	0.28095
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00003	0.00002	0.00002	0.00023	0.00000	0.00000	0.00005	0.00005	0.00000	0.00001	0.00001	—	0.04588	0.04588	< 0.000005	< 0.000005	0.00006	0.04651
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.15. Off-site Infrastructure Improvement (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62432	1.36488	11.9831	11.5322	0.01886	0.53205	—	0.53205	0.48948	—	0.48948	—	2,043.37	2,043.37	0.08289	0.01658	—	2,050.38
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20026	0.16827	1.47736	1.42178	0.00232	0.06559	—	0.06559	0.06035	—	0.06035	—	251.922	251.922	0.01022	0.00204	—	252.787
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03655	0.03071	0.26962	0.25947	0.00042	0.01197	—	0.01197	0.01101	—	0.01101	—	41.7086	41.7086	0.00169	0.00034	—	41.8517
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04581	0.04281	0.02809	0.46650	0.00000	0.00000	0.07256	0.07256	0.00000	0.01755	0.01755	—	83.8726	83.8726	0.00410	0.00300	0.27503	85.1437
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00513	0.00471	0.00409	0.04575	0.00000	0.00000	0.00881	0.00881	0.00000	0.00213	0.00213	—	9.49856	9.49856	0.00024	0.00040	0.01463	9.63756
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00094	0.00086	0.00075	0.00835	0.00000	0.00000	0.00161	0.00161	0.00000	0.00039	0.00039	—	1.57260	1.57260	0.00004	0.00007	0.00242	1.59561
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	17.2340	16.4053	12.7004	85.2983	0.20335	0.17907	15.6380	15.8170	0.16873	3.96381	4.13254	—	20,785.0	20,785.0	0.96165	1.18813	61.2180	21,224.3

Parking Lot	0.37591	0.27718	8.54028	3.69046	0.04510	0.08480	1.21621	1.30101	0.08113	0.32669	0.40782	—	4,798.72	4,798.72	0.07286	0.75763	10.1387	5,036.46
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	17.6100	16.6825	21.2407	88.9888	0.24845	0.26387	16.8542	17.1181	0.24986	4.29050	4.54036	—	25,583.7	25,583.7	1.03451	1.94576	71.3567	26,260.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	15.3072	14.3941	14.3660	80.5786	0.18748	0.17934	15.6380	15.8173	0.16899	3.96381	4.13281	—	19,179.9	19,179.9	1.16146	1.26846	1.58739	19,588.5
Parking Lot	0.34031	0.24591	9.13048	3.79718	0.04523	0.08516	1.21621	1.30136	0.08147	0.32669	0.40816	—	4,813.15	4,813.15	0.07141	0.75992	0.26305	5,041.66
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	15.6475	14.6400	23.4965	84.3758	0.23271	0.26450	16.8542	17.1187	0.25046	4.29050	4.54097	—	23,993.0	23,993.0	1.23287	2.02837	1.85044	24,630.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	2.83514	2.67763	2.46980	14.1343	0.03504	0.03270	2.81180	2.84450	0.03081	0.71286	0.74368	—	3,250.72	3,250.72	0.17434	0.20250	4.37637	3,319.80
Parking Lot	0.06587	0.04819	1.61914	0.68168	0.00824	0.01550	0.21942	0.23492	0.01483	0.05899	0.07382	—	795.486	795.486	0.01196	0.12559	0.72481	833.937
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	2.90102	2.72582	4.08894	14.8160	0.04328	0.04820	3.03122	3.07942	0.04565	0.77185	0.81749	—	4,046.21	4,046.21	0.18630	0.32809	5.10119	4,153.74

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	223.744	223.744	0.02133	0.00259	—	225.048
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	215.806	215.806	0.02057	0.00249	—	217.064
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	439.550	439.550	0.04190	0.00508	—	442.111
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	223.744	223.744	0.02133	0.00259	—	225.048
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	215.806	215.806	0.02057	0.00249	—	217.064
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	439.550	439.550	0.04190	0.00508	—	442.111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	37.0434	37.0434	0.00353	0.00043	—	37.2592
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.7292	35.7292	0.00341	0.00041	—	35.9374
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	72.7726	72.7726	0.00694	0.00084	—	73.1966

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Consumer Products	0.15255	0.15255	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03138	0.03138	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04629	0.04272	0.00219	0.26016	0.00002	0.00046	—	0.00046	0.00035	—	0.00035	—	1.06986	1.06986	0.00004	0.00001	—	1.07372
Total	0.23023	0.22665	0.00219	0.26016	0.00002	0.00046	—	0.00046	0.00035	—	0.00035	—	1.06986	1.06986	0.00004	0.00001	—	1.07372
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.15255	0.15255	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03138	0.03138	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.18393	0.18393	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.02784	0.02784	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00573	0.00573	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.00417	0.00385	0.00020	0.02341	< 0.000005	0.00004	—	0.00004	0.00003	—	0.00003	—	0.08735	0.08735	< 0.000005	< 0.000005	—	0.08767

Total	0.03773	0.03741	0.00020	0.02341	< 0.000005	0.00004	—	0.00004	0.00003	—	0.00003	—	0.08735	0.08735	< 0.000005	< 0.000005	—	0.08767

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.84909	1.65550	2.50459	0.08722	0.00209	—	5.30729
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.47786	0.47786	0.00005	0.00001	—	0.48064
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.84909	2.13336	2.98244	0.08727	0.00209	—	5.78793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.84909	1.65550	2.50459	0.08722	0.00209	—	5.30729
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.47786	0.47786	0.00005	0.00001	—	0.48064
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Total	—	—	—	—	—	—	—	—	—	—	—	0.84909	2.13336	2.98244	0.08727	0.00209	—	5.78793
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.14058	0.27409	0.41466	0.01444	0.00035	—	0.87868
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.07911	0.07911	0.00001	< 0.000005	—	0.07958
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.14058	0.35320	0.49378	0.01445	0.00035	—	0.95826

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	9.68870	0.00000	9.68870	0.96835	0.00000	—	33.8975
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	1.60408	0.00000	1.60408	0.16032	0.00000	—	5.61212
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	1.60408	0.00000	1.60408	0.16032	0.00000	—	5.61212

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240.18	1,240.18
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205.327	205.327
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205.327	205.327

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/11/2026	7/24/2026	5.00000	10.00000	—
Site Preparation	Site Preparation	9/20/2026	10/2/2026	5.00000	10.00000	—
Grading	Grading	10/3/2026	10/30/2026	5.00000	20.0000	—
Building Construction	Building Construction	11/28/2026	3/16/2027	5.00000	77.0000	—
Paving	Paving	10/31/2026	11/27/2026	5.00000	20.0000	—

Architectural Coating	Architectural Coating	1/27/2027	3/16/2027	5.00000	35.0000	—
Off-site Infrastructure Improvement	Trenching	7/25/2026	9/25/2026	5.00000	45.0000	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

Off-site Infrastructure Improvement	Trenchers	Diesel	Average	1.000000	8.00000	40.0000	0.50000
Off-site Infrastructure Improvement	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Off-site Infrastructure Improvement	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Off-site Infrastructure Improvement	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	10.6000	LDA,LDT1,LDT2
Demolition	Vendor	—	3.50000	HHDT,MHDT
Demolition	Hauling	4.40000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	10.6000	LDA,LDT1,LDT2
Site Preparation	Vendor	—	3.50000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	10.6000	LDA,LDT1,LDT2
Grading	Vendor	—	3.50000	HHDT,MHDT
Grading	Hauling	64.4000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	1.91424	10.6000	LDA,LDT1,LDT2
Building Construction	Vendor	0.98045	3.50000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	10.6000	LDA,LDT1,LDT2

Paving	Vendor	—	3.50000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	0.38285	10.6000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	3.50000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Off-site Infrastructure Improvement	Worker	10.00000	10.6000	LDA,LDT1,LDT2
Off-site Infrastructure Improvement	Vendor	—	3.50000	HHDT,MHDT
Off-site Infrastructure Improvement	Hauling	0.00000	20.0000	HHDT
Off-site Infrastructure Improvement	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00000	0.00000	8,973.00	2,991.00	18,720.4

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	176.000	0.00000
Site Preparation	—	—	15.0000	0.00000	0.00000

Grading	10,300.0	—	20.0000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	7.16270

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Convenience Market with Gas Pumps	0.00000	0%
Paving	Parking Lot	5.96270	100%
Paving	Other Asphalt Surfaces	1.20000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	531.983	0.03300	0.00400
2027	0.00000	531.983	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market with Gas Pumps	4,702.21	4,702.21	4,702.21	1,716,307	22,121.1	22,121.1	22,121.1	8,074,207
Parking Lot	283.759	283.759	283.759	103,572	1,334.92	1,334.92	1,334.92	487,245

Other Asphalt Surfaces	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Convenience Market with Gas Pumps	Wood Fireplaces	0	0
Convenience Market with Gas Pumps	Gas Fireplaces	0	0
Convenience Market with Gas Pumps	Propane Fireplaces	0	0
Convenience Market with Gas Pumps	Electric Fireplaces	0	0
Convenience Market with Gas Pumps	No Fireplaces	0	0
Convenience Market with Gas Pumps	Conventional Wood Stoves	0	0
Convenience Market with Gas Pumps	Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Non-Catalytic Wood Stoves	0	0
Convenience Market with Gas Pumps	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0
Other Asphalt Surfaces	Wood Fireplaces	0	0
Other Asphalt Surfaces	Gas Fireplaces	0	0
Other Asphalt Surfaces	Propane Fireplaces	0	0
Other Asphalt Surfaces	Electric Fireplaces	0	0

Other Asphalt Surfaces	No Fireplaces	0	0
Other Asphalt Surfaces	Conventional Wood Stoves	0	0
Other Asphalt Surfaces	Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Non-Catalytic Wood Stoves	0	0
Other Asphalt Surfaces	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	8,973.00	2,991.00	18,720.4

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market with Gas Pumps	235,897	346.196	0.0330	0.0040	0.00000
Parking Lot	227,528	346.196	0.0330	0.0040	0.00000
Other Asphalt Surfaces	0.00000	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market with Gas Pumps	443,102	0.00000
Parking Lot	0.00000	208,209
Other Asphalt Surfaces	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market with Gas Pumps	17.9774	0.00000
Parking Lot	0.00000	0.00000
Other Asphalt Surfaces	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088.00	0.00180	4.00000	4.00000	18.0000
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922.00	26.5200	16.5000	16.5000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	31.1600	annual days of extreme heat

Extreme Precipitation	0.65000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.4767
AQ-PM	99.0292
AQ-DPM	71.6615
Drinking Water	55.6013
Lead Risk Housing	68.5570
Pesticides	69.2759
Toxic Releases	39.3723
Traffic	31.8375

Effect Indicators	—
CleanUp Sites	0.00000
Groundwater	94.3550
Haz Waste Facilities/Generators	74.7320
Impaired Water Bodies	0.00000
Solid Waste	0.00000
Sensitive Population	—
Asthma	94.6286
Cardio-vascular	98.5543
Low Birth Weights	29.6638
Socioeconomic Factor Indicators	—
Education	89.7241
Housing	31.7364
Linguistic	96.0888
Poverty	91.3191
Unemployment	81.6892

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	12.39573977
Employed	6.274862056
Median HI	13.08866932
Education	—
Bachelor's or higher	12.89618889
High school enrollment	100
Preschool enrollment	16.65597331

Transportation	—
Auto Access	22.93083537
Active commuting	49.54446298
Social	—
2-parent households	26.87026819
Voting	2.912870525
Neighborhood	—
Alcohol availability	43.26960092
Park access	6.069549596
Retail density	60.70832799
Supermarket access	61.65789811
Tree canopy	5.902733222
Housing	—
Homeownership	21.01886308
Housing habitability	9.970486334
Low-inc homeowner severe housing cost burden	8.443474913
Low-inc renter severe housing cost burden	32.51636084
Uncrowded housing	16.61747722
Health Outcomes	—
Insured adults	41.85807776
Arthritis	0.0
Asthma ER Admissions	1.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	5.0
Cognitively Disabled	7.9
Physically Disabled	10.4
Heart Attack ER Admissions	31.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	51.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	19.0
Elderly	48.0
English Speaking	26.5
Foreign-born	33.2
Outdoor Workers	13.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.8
Traffic Density	23.2
Traffic Access	0.0
Other Indices	—
Hardship	86.7

Other Decision Support	—
2016 Voting	2.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	91.0000
Healthy Places Index Score for Project Location (b)	6.00000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Based on the parcel map.
Construction: Construction Phases	Construction start and end date from the client.
Operations: Vehicle Data	Pass-by trips are accounted in the trip rate.
Operations: Fleet Mix	Parking Lot = Truck Stop trips (assumed 100% HHD)

Operations: Energy Use	Default natural gas consumption reassigned to electricity (1 kWh = 3.412 kBTU) per MM GHG-1 (All-Electric Development)

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	5.66453	5.96270
Landscape Area	sq. ft	—	12,986.7

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	8/8/2026	7/24/2026
Demolition	Demolition	Work Days per Phase	20.0000	10.00000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Convenience Market with Gas Pumps	Weekday Trip Rate	size/day	624.200	786.060
Convenience Market with Gas Pumps	Saturday Trip Rate	size/day	624.200	786.060
Convenience Market with Gas Pumps	Sunday Trip Rate	size/day	624.200	786.060
Convenience Market with Gas Pumps	Weekday Primary Trip	%	14.2400	100.0000

Convenience Market with Gas Pumps	Weekday Divert Trip	%	21.2600	0.00000
Convenience Market with Gas Pumps	Weekday Pass-By Trip	%	64.5000	0.00000
Parking Lot	Weekday Trip Rate	size/day	0.00000	1.15000
Parking Lot	Saturday Trip Rate	size/day	0.00000	1.15000
Parking Lot	Sunday Trip Rate	size/day	0.00000	1.15000

8.5.1.2. Fleet Mix

Land Use	Season	Model Parameter	Units	Default Value	New Value
Parking Lot	A	Heavy-Heavy-Duty Trucks	%	4%	100%
Parking Lot	A	Passenger Cars	%	46%	0%
Parking Lot	A	Light-Duty Trucks 1	%	4%	0%
Parking Lot	A	Light-Duty Trucks 2	%	21%	0%
Parking Lot	A	Light Heavy-Duty Trucks 1	%	3%	0%
Parking Lot	A	Light Heavy-Duty Trucks 2	%	1%	0%
Parking Lot	A	Motorcycles	%	2%	0%
Parking Lot	A	Medium-Duty Trucks	%	18%	0%
Parking Lot	A	Motor Homes	%	< 0.5%	0%
Parking Lot	A	Medium-Heavy-Duty Trucks	%	1%	0%
Parking Lot	A	Other Buses	%	< 0.5%	0%
Parking Lot	A	School Buses	%	< 0.5%	0%
Parking Lot	A	Urban Buses	%	< 0.5%	0%
Parking Lot	S	Heavy-Heavy-Duty Trucks	%	4%	100%
Parking Lot	S	Passenger Cars	%	46%	0%
Parking Lot	S	Light-Duty Trucks 1	%	4%	0%
Parking Lot	S	Light-Duty Trucks 2	%	21%	0%
Parking Lot	S	Light Heavy-Duty Trucks 1	%	3%	0%
Parking Lot	S	Light Heavy-Duty Trucks 2	%	1%	0%

Parking Lot	S	Motorcycles	%	2%	0%
Parking Lot	S	Medium-Duty Trucks	%	18%	0%
Parking Lot	S	Motor Homes	%	< 0.5%	0%
Parking Lot	S	Medium-Heavy-Duty Trucks	%	1%	0%
Parking Lot	S	Other Buses	%	< 0.5%	0%
Parking Lot	S	School Buses	%	< 0.5%	0%
Parking Lot	S	Urban Buses	%	< 0.5%	0%
Parking Lot	W	Heavy-Heavy-Duty Trucks	%	4%	100%
Parking Lot	W	Passenger Cars	%	46%	0%
Parking Lot	W	Light-Duty Trucks 1	%	4%	0%
Parking Lot	W	Light-Duty Trucks 2	%	21%	0%
Parking Lot	W	Light Heavy-Duty Trucks 1	%	3%	0%
Parking Lot	W	Light Heavy-Duty Trucks 2	%	1%	0%
Parking Lot	W	Motorcycles	%	2%	0%
Parking Lot	W	Medium-Duty Trucks	%	18%	0%
Parking Lot	W	Motor Homes	%	< 0.5%	0%
Parking Lot	W	Medium-Heavy-Duty Trucks	%	1%	0%
Parking Lot	W	Other Buses	%	< 0.5%	0%
Parking Lot	W	School Buses	%	< 0.5%	0%
Parking Lot	W	Urban Buses	%	< 0.5%	0%

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Convenience Market with Gas Pumps	Electricity	kWh/yr	203,232	235,897
Convenience Market with Gas Pumps	Electricity (Subject to Title 24)	kWh/yr	77,205.8	89,614.9
Convenience Market with Gas Pumps	Electricity (Not Subject to Title 24)	kWh/yr	126,026	146,282

Convenience Market with Gas Pumps	Natural Gas	kBTU/yr	111,453	0.00000
Convenience Market with Gas Pumps	Natural Gas (Subject to Title 24)	kBTU/yr	30,514.2	0.00000
Convenience Market with Gas Pumps	Natural Gas (Not Subject to Title 24)	kBTU/yr	80,939.0	0.00000

APPENDIX B

HEALTH RISK ASSESSMENT (HRA) MODELING DATA

MEMORANDUM

To:	Alex Jewell, Kimley-Horn and Associates, Inc.
From:	Danielle Millar, Kimley-Horn and Associates, Inc.
Date:	July 30, 2025
Subject:	Maverik Hanford Project – Health Risk Assessment

1.0 Purpose

The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TACs) resulting from the implementation of the proposed Maverik Hanford Project ("project" or "proposed project"). This HRA was prepared in accordance with the requirements of the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the project. Technical data are included in Appendix A: Modeling Data.

2.0 Project Location and Description

The project site is located in the City of Hanford in Kings County, California. The project site is located at the edge of the City, approximately 1.7 miles southwest of the downtown Hanford. The site is directly south of exit 85 to 12th Avenue on Highway 198. The project is comprised of a single Assessor's Parcel Number (APN) 011-010-013. Additionally, the project site is located along 12th Avenue and can be accessed through this corridor.

The proposed project consists of two components: a subdivision and development of a convenience store and fueling area. The proposed subdivision would subdivide the existing 21.4-acre parcel into two parcels. One parcel would be 5.95 acres and would be where the proposed convenience store and fueling station would be located. The remaining 15.45 acres would be left as an undeveloped parcel. No proposed uses or improvements on the 15.45-acre are proposed at this time. Approval of the subdivision requires an approval of a Tentative Parcel Map. Off-site improvements would include the Hayden Avenue extension, which encompasses approximately 1.2 acres.

The proposed convenience store and fueling area sits on approximately 5.95 acres of the entire 21.4-acre site. The store is approximately 5,982 square feet with twelve (12) fuel dispensers and canopy in front of the store and five (5) additional dispensers and canopy for commercial fueling at the back of the store, for a total of 17 fueling positions on site. The development will provide fueling, packaged beer and wine sales, as well as fresh food items. Restroom facilities will be open to the public. The store will operate 24 hours a day, 7 days a week.

3.0 Regulatory Setting

Federal

Federal Clean Air Act

The Federal Clean Air Act (FCAA) was amended in 1990 to address the numerous air pollutants that are known to cause or may reasonably be anticipated to cause adverse effects to human health or adverse environmental effects. 188 specific pollutants and chemical groups were initially identified as hazardous air pollutants (HAPs), and the list has been modified over time. The FCAA Amendments included new regulatory programs to control acid deposition and for the issuance of stationary source operating permits.

In 2001, the United States Environmental Protection Agency (U.S. EPA) issued its first Mobile Source Air Toxics Rule, which identified 21 mobile source air toxic (MSAT) compounds as being HAPs that required regulation. A subset of six of these MSAT compounds were identified as having the greatest influence on health and included benzene, 1,3-butadiene, formaldehyde, acrolein, acetaldehyde, and diesel particulate matter (DPM). More recently, the U.S. EPA issued a second MSAT Rule in February 2007, which generally supported the findings in the first rule and provided additional recommendations of compounds having the greatest impact on health. The rule also identified several engine emission certification standards that must be implemented. Unlike the criteria pollutants, toxics do not have National Ambient Air Quality Standards (NAAQS) making evaluation of their impacts more subjective.

National Emissions Standards for Hazardous Air Pollutants (NESHAPs) were incorporated into a greatly expanded program for controlling toxic air pollutants. The provisions for attainment and maintenance of the NAAQS were substantially modified and expanded. Other revisions included provisions regarding stratospheric ozone protection, increased enforcement authority, and expanded research programs.

Section 112 of the FCAA Amendments governs the federal control program for HAPs. NESHAPs are issued to limit the release of specified HAPs from specific industrial sectors. These standards are technology-based, meaning that they represent the best available control technology an industrial sector could afford. The level of emissions controls required by NESHAPs are not based on health risk considerations because allowable releases and resulting concentrations have not been determined to be safe for the general public. The FCAA does not establish air quality standards for HAPs that define legally acceptable concentrations of these pollutants in ambient air.

Federal Emissions Standards for On-Road Trucks

To reduce emissions from on-road, heavy-duty diesel trucks, the U.S. EPA established a series of increasingly strict emission standards for new engines, starting in 1988. The U.S. EPA promulgated

the final and cleanest standards with the 2007 Heavy-Duty Highway Rule.[1] The particulate matter (PM) emission standard of 0.01 gram per horsepower-hour (g/hp-hr) is required for new vehicles beginning with model year 2007. Also, the oxides of nitrogen (NO_X) and nonmethane hydrocarbon (NMHC) standards of 0.20 g/hp-hr and 0.14 g/hp-hr, respectively, were phased in together between 2007 and 2010 on a percent of sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010. In December 2022, the U.S. EPA final rule set new, more stringent standards to reduce NO_X pollution from heavy-duty vehicles and engines starting in model year 2027. The rule will reduce NO_X emissions from heavy-duty trucks by almost 50 percent by 2045, producing significant health-related benefits.[2]

Emission Standards for Off-Road Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines. Tier 1 standards were phased in from 1996 to 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in from 2001 to 2006. Tier 3 standards were phased in from 2006 to 2008. Tier 4 standards, which generally require add-on emission control equipment to attain them, were phased in from 2008 to 2015. The Tier 4 standards require that emissions of PM and NO_X be further reduced by about 90 percent from Tier 3 standards.

State of California

California Air Resources Board

The California Air Resources Board (CARB) statewide comprehensive air toxics program was established in 1983 with Assembly Bill (AB) 1807 the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology (T-BACT) to minimize emissions. CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, required to communicate the results to the public in the form of

[1] United States Environmental Protection Agency (U.S. EPA), *Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*, Final Rule. 40 Code of Federal Regulations, Parts 69, 80, and 86. January 18, 2001.

[2] United States Environmental Protection Agency (U.S. EPA), Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements, Final Rule. 40 Code of Federal Regulations, s 2, 59, 60, 80, 85, 86, 600, 1027, 1030, 1031, 1033, 1036, 1037, 1039, 1042, 1043, 1045, 1048, 1051, 1054, 1060, 1065, 1066, 1068, and 1090. January 24, 2023.

notices and public meetings. In September 1992, the AB 2588 was amended by Senate Bill (SB) 1731 which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

Emission Standards for Off-Road Diesel Engines

To reduce emissions from off-road diesel equipment, the U.S. EPA established a series of cleaner emission standards for new off-road diesel engines. CARB is currently developing potential amendments to the off-road diesel engine standards, in a Tier 5 rulemaking. CARB is currently developing potential amendments to the off-road diesel engine standards, in a Tier 5 rulemaking. The Tier 5 rulemaking aims to reduce NO_X and PM emissions from new, off-road compression-ignition (CI) engines, by an additional 50 percent to 90 percent, compared to what is allowed by today's Tier 4 final emission standards.

Diesel Risk Reduction Plan

The identification of DPM as a TAC in 1998 led CARB to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (DRRP) in October 2000. The DRRP's goals include an 85 percent reduction in DPM by 2020 from the 2000 baseline.[3] CARB estimates that emissions of DPM in 2035 will be less than half those in 2010, further reducing statewide cancer risk and non-cancer health effects.[4] The DRRP includes regulations for cleaner new diesel engines, cleaner in-use diesel engines (retrofits), and cleaner diesel fuel.

Truck and Bus Regulation Reducing Emissions from Existing Diesel Vehicles

On December 12, 2008, CARB approved the Truck and Bus Regulation to significantly reduce PM and NO_X emissions from existing diesel vehicles operating in California. The regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Heavier trucks were required to be retrofitted with PM filters beginning January 1, 2012, and older trucks were required to be replaced starting January 1, 2015. Effective January 1, 2023, nearly all trucks and buses are required to have 2010 model year engines or equivalent.

The regulation applies to most privately and federally-owned diesel fueled trucks and buses and to privately and publicly owned school buses with a gross vehicle weight rating (GVWR) greater than 14,000 pounds. Small fleets with three or fewer diesel trucks can delay compliance for heavier trucks and there are several extensions for low-mileage construction trucks, early PM filter retrofits, adding cleaner vehicles, and other situations. Privately and publicly owned school buses have different requirements.

[3] California Air Resources Board, *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*, October 2000.

[4] California Air Resources Board, *Overview: Diesel Exhaust & Health*, https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health, accessed July 2025.

Heavy-Duty Vehicle Idling Emission Reduction Program

The purpose of the CARB ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling is to reduce public exposure to DPM and criteria pollutants by limiting the idling of diesel-fueled commercial vehicles including transportation refrigeration units (TRUs). The driver of any vehicle subject to this ATCM is prohibited from idling the vehicle's primary diesel engine for greater than five minutes at any location and is prohibited from idling a diesel-fueled auxiliary power system (APS) for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools). On February 24, 2022, CARB approved amendments to the TRU ATCM (2022 Amendments) to achieve additional emission and health risk reductions from diesel-powered TRUs and increase the use of zero emission technology in the off-road sector. The 2022 Amendments will help meet the State's multiple risk reduction, air quality, and climate goals, as well as the directive of Executive Order N-29-20, which set a goal for 100 percent zero-emission off-road vehicles and equipment in the State by 2035. On January 3, 2025, the U.S. EPA granted California authorization for parts of the TRU ATCM but did not act on the zero-emission TRU fleet turnover requirements. CARB has withdrawn its request for the unapproved provisions and is assessing next steps.[5]

CARB Final Regulation Order, Requirements to Reduce Idling Emissions from New and In-Use Trucks, beginning in 2008, requires that new 2008 and subsequent model-year heavy-duty diesel engines be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to "neutral" or "park", and the parking brake is engaged. Section 2485 and Section 2449 of Title 13 of the California Code of Regulations limits diesel-fueled motor vehicle and off-road idling to no more than five minutes. Section 2485 limits idling for diesel-fueled commercial motor vehicles with gross vehicle weight ratings of greater than 10,000 pounds that are or must be licensed to operate on publicly maintained highways and streets within California. Section 2449 limits idling for off-road diesel-fueled fleets.

California Energy Commission – Title 24 Building Energy Efficiency Standards

The Energy Efficiency Standards for Residential and Nonresidential Buildings, as specified in California Code of Regulations (CCR) Title 24 Part 6, were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods. The 2025 Energy Standards include requirements for mandatory mechanical ventilation intended to improve indoor air quality in homes, and requirements for Minimum Efficiency Reporting Value (MERV) 13 air filtration on space conditioning systems, and ventilation systems that provide outside air to a dwelling's occupiable space. The Residential Compliance

[5] California Air Resources Board, *2022 Amendments to the TRU ATCM*, https://ww2.arb.ca.gov/our-work/programs/transport-refrigeration-unit, accessed July 2025.

Manual for the 2025 Building Energy Efficiency Standards notes that air filter efficiencies of at least MERV 13 protect occupants from exposure to the smaller airborne particles (i.e., $PM_{2.5}$) that are known to adversely affect respiratory health. CCR Title 24 Part 6 requires a particle size efficiency rating equal to or greater than 50 percent in the 0.30 to 1.00 µm range and 85 percent in the 1.0 to 3.0 µm range.

CalEnviroScreen

OEHHA developed CalEnviroScreen 4.0, which is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. CalEnviroScreen uses environmental, health, and socioeconomic information to produce scores for every census tract in the State. The scores are mapped so that different communities can be compared. An area with a high score is one that experiences a much higher pollution burden than areas with low scores. According to CalEnviroScreen, the project site is located within Census Tract 6031001002, which is within the 91st overall percentile.[6] It should be noted that the CalEnviroScreen scores are relative to other census tracts and are not an expression of health risk, and do not provide quantitative information on increases in cumulative impacts for specific sites or projects. Further, as a comparative screening tool, the results do not provide a basis for determining when differences between scores are significant in relation to public health or the environment.

CARB Advanced Clean Truck Regulation

CARB adopted the Advanced Clean Truck regulation in June 2020 requiring truck manufacturers to transition from diesel trucks and vans to electric zero-emission trucks beginning in 2024. By 2045, every new truck sold in California is required to be zero-emission. This rule directly addresses disproportionate risks and health and pollution burdens and puts California on the path for an all zero-emission short-haul drayage fleet in ports and railyards by 2035, and zero-emission "last-mile" delivery trucks and vans by 2040. The Advanced Clean Truck Regulation accelerates the transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8. The regulation has two components including a manufacturer sales requirement, and a reporting requirement:

- Zero-Emission Truck Sales: Manufacturers who certify Class 2b through 8 chassis or complete vehicles with combustion engines are required to sell zero-emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero-emission truck/chassis sales need to be 55 percent of Class 2b – 3 truck sales, 75 percent of Class 4 – 8 straight truck sales, and 40 percent of truck tractor sales.
- Company and Fleet Reporting: Large employers including retailers, manufacturers, brokers and others are required to report information about shipments and shuttle services. Fleet

[6] California Office of Environmental Health Hazard Assessment, *CalEnviroScreen 4.0 Results*, https://experience.arcgis.com/experience/11d2f52282a54ceebcac7428e6184203/page/CalEnviroScreen-4_0, accessed July 2025.

owners, with 50 or more trucks, are required to report about their existing fleet operations. This information helps to identify future strategies to ensure that fleets purchase available zero-emission trucks and place them in service where suitable to meet their needs.

The Advanced Clean Truck regulation was granted a separate waiver in 2023 by the Biden administration. On May 22, 2025, the U.S. Senate voted to revoke the waiver granted by the Biden administration for California's Advanced Clean Truck rule (as well as the Advanced Clean Cars [ACC] II program and Heavy-Duty Omnibus regulation). On June 12, 2025, President Trump formally nullified California's Advanced Clean Truck rule and ACC II program (Congressional Resolutions H.J. Res 87 and H.J. Res 88, respectively). Implementation is currently unknown.

CARB Advanced Clean Fleets Regulation

CARB approved Advanced Clean Fleets Regulation (ACF) on April 28, 2023, requiring fleet owners to begin transitioning toward ZEVs starting in 2024. Due to the impact that truck traffic has on residents living near heavily trafficked corridors, drayage trucks will need to be zero-emissions by 2035. All other fleet owners have the option to transition a percentage of their vehicles to meet expected zero-emission milestones, which gives owners the flexibility to continue operating combustion-powered vehicles as needed during the move toward cleaner technology.

On January 13, 2025, California withdrew its request for federal approval of the ACF and is evaluating next steps. CARB will not enforce portions of the regulation requiring federal authorization, such as those affecting high-priority and drayage fleets. However, State and local government fleet requirements remain unchanged.[7]

Executive Order N-79-20

Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium- and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment "requiring increasing volumes" of new zero emission vehicles (ZEVs) "towards the target of 100 percent." The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production facilities with a goal toward meeting carbon neutrality by

[7] California Air Resources Board, *ACF Waiver Update*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets, accessed July 2025.

2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation[8], which was adopted by CARB in July 2020.

Senate Bill 535

SB 535 directs 25 percent of the proceeds from the Greenhouse Gas Reduction Fund (i.e., funds from the AB 32 cap-and-trade program) to go to projects that provide a benefit to disadvantaged communities (DACs) (as identified by the OEHHA mapping). These funds must be used for programs that further reduce greenhouse gas emissions. Funding programs that reduce greenhouse gas emissions would also potentially reduce exposure to other emissions including TACs. Based on OEHHA mapping, the project site is located within an SB 535 designated disadvantaged community (Census Tract 6031001002).[9] SB 535 does not include project specific requirements or prohibit developments in proximity to the designated communities.

Gasoline Dispensing Facility Vapor Recovery Regulations

Since 2001, CARB has adopted a number of significant enhancements to gasoline dispensing facilities' (GDFs') vapor recovery systems. These efforts are necessary to ensure the continued effective operation of the vapor recovery systems during the transfer and dispensing of gasoline at these facilities.

Vapor recovery systems collect gasoline vapors that would otherwise escape into the atmosphere during fuel delivery to the underground storage tanks (Phase I) or fuel storage and vehicle fueling (Phase II). The Enhanced Vapor Recovery (EVR) regulations became state law on April 1, 2001. These regulations provide more stringent requirements for vapor recovery systems in order to reduce gasoline vapor emissions.

CARB Air Quality and Land Use Handbook – Gasoline Dispensing Facilities

The CARB *Air Quality and Land Use Handbook* (2005) recommends avoiding siting new sensitive land uses within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater). A 50-foot separation is recommended for typical gas dispensing facilities. CARB notes that a typical gasoline dispensing facility in California dispenses under 3.6 million gallons of gasoline per year. The cancer risk for a typical facility is likely to be less than 10 in a million at the fence line under urban air dispersion conditions.

Gasoline Service Station Industrywide Risk Assessment Technical Guidance

CARB and the California Air Pollution Control Officers Association (CAPCOA) developed the 2021 Gasoline Service Station Industrywide Risk Assessment Technical Guidance Manual (Technical Guidance) based on health analyses conducted to evaluate the health impacts of emissions from

[8] On January 13, 2025, California withdrew its request for federal approval of the ACF and is evaluating next steps. CARB will not enforce portions of the regulation requiring federal authorization, such as those affecting high-priority and drayage fleets. However, State and local government fleet requirements remain unchanged

[9] California Office of Environmental Health Hazard Assessment, *Disadvantaged Communities Map*, https://oehha.ca.gov/calenviroscreen/sb535, accessed July 2025.

gasoline service stations operating throughout the state. The Technical Guidance provides an update to the CAPCOA Air Toxics "Hot Spots" Program Gasoline Service Station Industrywide Risk Assessment Guidelines (1997). The Technical Guidance also provides recommended procedures for preparing gas station emission inventories and HRAs to meet the requirements of individual facilities subject to AB 2588.

Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document

CARB developed the 2022 *Gasoline Service Station Industrywide Risk Assessment Supplemental Policy Guidance Document* (Supplemental Policy Guidance or Guidance) to provide recommendations regarding public policy for gas stations and discuss potential community-scale health impacts caused by gas station emissions. In addition to discussing community-scale health impacts, the Supplemental Policy Guidance provides considerations and recommendations for the siting and permitting of new and modified gas stations. The Guidance also outlines the significant challenges in addressing cumulative impacts from multiple sources of gas stations and other sources.

Regional

San Joaquin Valley Air Pollution Control District

The San Joaquin Valley Air Pollution Control District (SJVAPCD) is the regional agency responsible for managing air quality within the San Joaquin Valley Air Basin. Since the 1980s, the SJVAPCD has regulated TACs and implements State and federal air quality standards, including CEQA guidance, to evaluate project impacts. Under its permitting authority, the SJVAPCD enforces regulations such as Best Available Control Technology (BACT) for new or modified sources emitting pollutants. The SJVAPCD prioritizes regulation of TAC-emitting sources based on emissions toxicity and proximity to sensitive receptors, ensuring public health protection.

The California Clean Air Act provides the SJVAPCD with the authority to manage transportation activities at indirect sources and regulate stationary source emissions. Indirect sources refer to multiple minor emitters that collectively contribute to significant pollution, such as motor vehicles at intersections or highways. At the State level, CARB regulates emissions from motor vehicles and fuels, complementing the SJVAPCD's efforts to reduce air pollution and protect air quality in the region.

SJVAPCD Rule 4622 - Gasoline Transfer Into Motor Vehicle Fuel Tanks

This rule requires gasoline dispensing facilities to use certified vapor recovery systems to minimize emissions during the transfer of gasoline into motor vehicle fuel tanks. It applies to the transfer of gasoline from storage tanks or mobile fuelers into motor vehicle fuel tanks. Facilities must ensure

that vapor recovery systems are properly installed and maintained to comply with emission standards.

Vapor recovery systems must be tested by certified testing companies or contractors. Testing is required within 10 calendar days of the initial operation of the dispensing equipment. Subsequent testing must occur annually for facilities with a monthly throughput of less than 100,000 gallons or semi-annually for facilities with a throughput of 100,000 gallons or more.

4.0 Health Risk Analysis

Project health risks are determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. While the final determination of significance thresholds is within the Lead Agency's purview pursuant to the State CEQA Guidelines, the SJVAPCD recommends that lead agencies use the following air pollution thresholds in determining whether a project's impacts are significant. If the lead agency finds that the project has the potential to exceed the air pollution thresholds, a project's impacts should be considered significant. The TAC emissions thresholds are as follows.[10]

- **Cancer Risk (Individual)**: Emit contaminants that result in a maximum individual incremental cancer risk equal to or greater than 20 in one million.
- **Non-Cancer Risk**: Emit contaminants that result in a chronic or acute hazard index equal to or greater than 1.0 (project increment).

Cancer risk is expressed in terms of expected incremental incidence per million population. The SJVAPCD has established an incidence rate of 20 persons per million as the maximum acceptable incremental cancer risk due to TAC exposure. This threshold is an upper-bound incremental probability to determine whether or not a given project has a potentially significant development-specific and cumulative impact and to ensure an individual new source does not contribute a cumulatively significant impact. The 20 in one million standard is a health-protective significance threshold. A risk level of 20 in one million implies a likelihood that up to 20 persons, out of one million equally exposed persons, would contract cancer if exposed continuously (24 hours per day) to the TAC levels over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these TACs.

The SJVAPCD has also established non-carcinogenic risk parameters for use in HRAs. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index of less than 1.0

[10] San Joaquin Valley Unified Air Pollution Control District, *APR -1906 Framework for Performing Health Risk Assessments*, revised February 12, 2020.

means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

4.1 Methodology

This HRA was prepared in accordance with SJVAPCD guidance which largely follows OEHHA but includes some notable local preferences. This HRA evaluates potential health risks associated with the emission of DPM and benzene resulting from project implementation. Construction equipment and associated heavy-duty truck traffic generate diesel exhaust, which is a known TAC. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. Operational activities would also emit TACs from the use of heavy-duty diesel trucks and fueling activities.

Construction Sources

Construction would generate DPM emissions from the use of off-road diesel equipment required for site preparation, grading and excavation, paving, and other construction activities. For construction activity, DPM is the primary TAC of concern because it is the most potent TAC emitted from construction and includes hundreds of chemicals. Although DPM is a subset of PM_{10} exhaust, the analysis conservatively assumes all PM_{10} exhaust emissions are DPM. On-road diesel-powered haul trucks traveling to and from the construction site to deliver materials and equipment were included in the analysis, although they are typically less of a concern because they would not stay on the site for long durations.

Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer. The use of diesel-powered construction equipment would be episodic and would occur throughout the project site. In compliance with state law (Section 2485 and Section 2449 of Title 13 of the California Code of Regulations), construction activities would limit diesel construction truck/equipment idling to no more than five minutes, which would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Furthermore, even during the most intense period of construction, DPM emissions would be generated from different locations on the project site rather than in a single location because different types of construction activities (e.g., site preparation and building construction) would not occur at the same place at the same time. Construction emission rates for PM_{10} (DPM) were calculated using the California Emissions Estimator Model (CalEEMod); refer to Appendix A. Project construction is proposed to occur in 2026 over approximately eight months.

Operational Sources

CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles. This HRA also evaluates potential health risks associated with the emission of benzene. Out of the toxic compounds emitted from the gasoline stations, benzene, ethylbenzene, and naphthalene have cancer toxicity values. However, benzene is the TAC which drives the risk, accounting for 87 percent of cancer risk from gasoline vapors and constitutes more than three to four times the weight of gasoline than ethylbenzene and

naphthalene, respectively. Therefore, ethylbenzene and naphthalene have not been modeled and are instead considered significant in the case that benzene emissions are significant. Additionally, there are substances emitted from gasoline stations, such as toluene and xylene which possess acute adverse health effects (though not cancer risk). However, it is not until the benzene concentrations are more than two orders of magnitude above the 10 per million cancer risk that the emissions of toluene and xylene begin to cause adverse health effects, according to the California Air Pollution Control Officers Association's (CAPCOA) *Gasoline Service Station Industrywide Risk Assessment Guidelines*. Therefore, toluene and xylene emissions have not been modeled and are instead considered significant in the case that benzene concentrations are identified at two orders of magnitude above the 10 per million cancer risk.

Fueling Sources. Benzene emissions would occur from the proposed on-site fuel storage tanks and fuel dispensers. The specific processes associated with fuel storage tanks and fuel dispensers that emit air toxics include loading, breathing, refueling, and spillage, as described below:

- Loading – Emissions occur when a fuel tanker truck unloads gasoline into the storage tanks. The storage tank vapors, displaced during loading, are emitted through its vent pipe. A required pressure/vacuum valve installed on the tank vent pipe significantly reduces these emissions.
- Breathing – Emissions occur through the storage tank vent pipe as a result of temperature and pressure changes in the tank vapor space.
- Refueling – Emissions occur during motor vehicle refueling when gasoline vapors escape through the vehicle/nozzle interface.
- Spillage – Emissions occur from evaporating gasoline that spills during vehicle refueling.

Fuel dispensing facility emissions were computed based on the maximum anticipated throughput of fuel (i.e., approximately 3.6 million gallons per year). Emissions of benzene, which is a TAC, were computed using CARB emission factors for fuel dispensing facilities and assuming that benzene makes up 0.46 percent of gasoline vapor.[11] Total benzene emissions were calculated at 0.0019 pounds per hour; refer to Appendix A for the details of the calculations. The emission factors conservatively do not reflect control technologies required by any vapor recovery regulations later than 2013 (such as Certification Procedure for Vapor Recovery Systems for Enhanced Conventional [ECO] Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities [CP-207], Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities [CP-201]). These emissions factors are currently being updated by CARB.

Mobile Sources. Due to the increased vehicle traffic from the project, the resulting emissions could also result in pollutant concentrations at existing sensitive receptors. Average daily trips from truck traffic to the project site were obtained from the *Maverik Hanford Transportation Impact Study*

[11] California Air Pollution Control Officers Association, *Gasoline Service Station Industrywide Risk Assessment Technical Guidance*, February 18, 2022.

(Transportation Impact Study), prepared by Kimley-Horn and Associates, Inc. (dated May 6, 2025). Emission rates for PM_{10} (DPM) were calculated using trip data and a CARB 2021 EMission FACtors model (EMFAC) model run for San Joaquin County; refer to Appendix A. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed and type. The model was run for heavy-duty diesel vehicles traveling along off-site roads, circulating the project site, and idling at proposed loading areas and the truck fueling area.

Emergency Backup Generators. It is unknown whether emergency backup generators would be used. However, one backup generator was assumed for the proposed convenience store. Backup generators would only be used in the event of a power failure and would not be part of the project's normal daily operations. Nonetheless, emissions associated with one backup generator for the proposed convenience store was included to be conservative. If a backup generator is required, the end user would be required to obtain a permit from the SJVAPCD prior to installation. Emergency backup generators must meet SJVAPCD's Best Available Control Technology (BACT) requirements and comply with SJVAPCD rules related to generators, which would minimize emissions.

Dispersion Modeling

The HRA's construction and operational air dispersion modeling was performed using the American Meteorological Society (AMS) and U.S. Environmental Protection Agency (EPA) Regulatory Model (AERMOD). AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. AERMOD estimates hourly concentrations for each source/receptor pair and calculates concentrations for user-specified averaging times, including an average concentration for the complete simulation period. AERMOD includes atmospheric dispersion options for both urban and rural environments and can address flat, gently rolling, and complex terrain situations. The modeling and analysis were prepared in accordance with the SJVAPCD Modeling Guidance for AERMOD.[12] The parameters used in AERMOD include the following:

- **Meteorological Data.** AERMOD requires hourly meteorological data consisting of wind vectors, wind speed, temperature, atmospheric stability, and mixing height. The latest 5-year meteorological data set for the Hanford Monitoring Station (Station 53119) was obtained from the SJVAPCD.[13] Surface and upper air meteorological data from this station were selected as being the most representative of meteorology based on proximity to the project site, as well as terrain, surrounding land uses, and surface characteristics.

[12] San Joaquin Valley Unified Air Pollution Control District, *San Joaquin Valley Unified Air Pollution Control District Guidance for Assessing and Mitigating Air Quality Impacts*, March 19, 2015; and San Joaquin Valley Unified Air Pollution Control District, *AB 2588 Health Risk Assessment Modeling Protocol Guidance*, https://ww2.valleyair.org/media/fpgio1g5/ab-2588-hra-modeling-protocol-guidance-for-external-distribution.pdf, accessed July 2025.

[13] San Joaquin Valley Air Pollution Control District, *Meteorological and Air Monitoring Data*, https://gis.valleyair.org/arcgisportal/apps/experiencebuilder/experience/?id=06e940565d0345b6915f89b76c182ed9&page=Main-Page&views=MET-Map-View, accessed July 2025.

- **Project Sources**. Both construction and operational emission sources were modeled in AERMOD. The following discusses emission sources for construction and operations:
    - Construction Sources. The model's emission sources are line volume sources (comprised of smaller adjacent volume sources) for on-site construction and off-site haul truck operations. Off-road construction equipment operating on-site and on-road construction equipment (hauling materials to and from the project site) were assigned a release height of 8.2 feet (2.5 meters) and a plume height of 54.8 feet (16.7 meters) based on a vehicle height of 9.8 feet (3 meters). The methodology used to determine release and plume heights was based on U.S. EPA guidance for vehicle volume sources.[14]
    - Operational Sources. Emission sources used in AERMOD include line-volume, area, and point sources. Truck travel emissions were represented in the model via line-volume sources along local roads and circulating on-site. Emissions from heavy trucks were assigned a release height of 2.55 meters and a plume height of 16.7 meters. Area sources were modeled to represent refueling emissions. The emergency backup generator was modeled as a point source. Refer to Appendix A for a depiction of the source and receptor locations.
- **Receptor Grid**. To identify the maximum impacted sensitive receptors, a uniform Cartesian grid was placed over the sensitive receptors in the project site's vicinity. Given the project site's size, sensitive receptors were modeled with a maximum of 20-meter grid spacing.
- **Terrain Characteristics**. As recommended by the SJVAPCD, the United States Geological Survey (USGS) National Elevation Dataset (NED) terrain data was imported into AERMOD.
- **Averaging Times.** AERMOD was run to obtain the peak 1-hour and annual average (period) concentration in micrograms per cubic meter ($\mu g/m^3$) of PM_{10} at the nearby sensitive receptors. According to SJVAPCD's guidance[15], air dispersion modeling is required to estimate annual average concentrations to calculate the Maximally Exposed Individual Resident (MEIR), the maximum chronic hazard index, and the zones of impact.

Risk and Hazard Assessment

Cancer Risk. Based on the OEHHA methodology, residential inhalation cancer risk from annual average TAC concentrations are calculated by multiplying the daily inhalation dose, cancer potency factor, age sensitivity factor (ASF), frequency of time spent at home, and exposure duration divided by averaging time, yielding the excess cancer risk. These factors are discussed in more detail below. Exposure through inhalation (Dose-air) is a function of breathing rate, exposure frequency, and

[14] U.S. EPA. 2012. *Haul Road Workgroup Final Report*, https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf, accessed July 2025.

[15] San Joaquin Valley Unified Air Pollution Control District, San Joaquin Valley Unified Air Pollution Control District Guidance for Assessing and Mitigating Air Quality Impacts, March 19, 2015.

concentration of substance in the air. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = C_{air}*(BR/BW)*A*EF*10^{-6}$$

Dose-air =	dose through inhalation (mg/kg/day)
C_{air} =	air concentration (µg/m^3) from air dispersion model
(DBR/BW) =	daily breathing rate normalized to body weight (L/kg bodyweight-day)
A =	inhalation absorption factor (unitless)
EF =	exposure frequency (approximately 350 days per year for residential)
10^{-6} =	conversion factor (micrograms to milligrams, liters to cubic meters)

Table 1: Exposure Assumptions presents assumptions utilized to calculate cancer risk. The construction exposure duration totals eight months (0.67-year) to represent the total construction period. The operational exposure duration totals 70 years for residents, 5 years for student receptors, and 40 years for workers, consistent with SJVAPCD methodology. OEHHA developed ASFs to consider the increased sensitivity to carcinogens during early-life exposure. In the absence of chemical-specific data, OEHHA recommends default ASFs presented in Table 1. Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions is not occurring away from home. ASFs, FAH, and daily breathing rates are based on the OEHHA methodology.

Table 1: Exposure Assumptions

Scenario	Age	Exposure Frequency (days/year)[1]	Exposure Duration (years)[2]	Age Sensitivity Factor (ASF)[3]	Fraction of Time at Home (FAH)[4]	Daily Breathing Rate (L/kg BW-day^2)[5,6]
Construction	**Residential**					
	Third trimester	250	0.25	10	85%	361
	0 to 2 years	250	0.42	10	85%	1090
	Ages 2 through 8 years	250	0	3	72%	631
	Ages 9 through 15 years	250	0	3	72%	572
	Ages 16 and greater	250	0	1	73%	261
	Worker	250	0.67	1	N/A	230
	Student[7]	180	0.67	3	N/A	640
Operations	**Residential**					
	Third trimester	350	0.25	10	85%	361
	0 to 2 years	350	2	10	85%	1090
	Ages 2 through 8 years	350	7	3	72%	631
	Ages 9 through 15 years	350	7	3	72%	572
	Ages 16 and greater	350	53.75	1	73%	261
	Worker	250	40	1	N/A	230
	Student[7]	180	5	3	N/A	640
Combined	**Residential**					
	Third trimester	350	Construction: 0.25	10	85%	361

Table 1: Exposure Assumptions

Scenario	Age	Exposure Frequency (days/year)[1]	Exposure Duration (years)[2]	Age Sensitivity Factor (ASF)[3]	Fraction of Time at Home (FAH)[4]	Daily Breathing Rate (L/kg BW-day²)[5,6]
	0 to 2 years	350	Construction: 0.42 Operations: 1.58	10	85%	1090
	Ages 2 through 8 years	350	Operations: 7	3	72%	631
	Ages 9 through 15 years	350	Operations: 7	3	72%	572
	Ages 16 and greater	350	Operations: 53.75	1	73%	261
	Worker	250	Construction: 0.67 Operations: 39.33	1	N/A	230
	Student[7]	180	Construction: 0.67 Operations: 4.33	3	N/A	1200

1. The exposure frequency is based on OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015 (OEHHA Manual); refer to OEHHA Manual Section 5.4.1, Estimation of Exposure through Inhalation.
2. The exposure duration is based on SJVAPCD's AB 2588 Health Risk Assessment Modeling Protocol Guidance (March 18, 2021).
3. The age sensitivity factor is based on OEHHA Manual Table 8.3, *Age Sensitivity Factors by Age Group for Cancer Risk Assessment*.
4. The fraction of time at home is based on OEHHA Manual Section 8.2.2, *Fraction of Time Spent at Home for Cancer Risk Assessment*.
5. Daily breathing rate normalized to body weight (L/kg body weight – day) (95th percentile for 3rd trimester to 2 years and 80th percentile for other age groups) per OEHHA Manual Table 5.7, *Daily Breathing Rate Distributions by Age Group for Residential Stochastic Analysis (L/kg BW-day)*.
6. Worker and student breathing rates are 95th percentile 8-hour breathing rates based on moderate intensity activity.
7. The student age category was modeled for ages 0 through 5 as the nearest school to the project site is the KCAO Margaret Crawford Infant Toddler Center to the south.

Source: California Office of Environmental Health Hazard Assessment, *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, February 2015; and SJVAPCD, *AB 2588 Health Risk Assessment Modeling Protocol Guidance*, March 18, 2021.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$Risk_{inh\text{-}res} = (Dose_{air}*CPF*ASF*(ED/AT)*FAH)$$

$Risk_{inh\text{-}res}$ = residential inhalation cancer risk (potential chances per million)
$Dose_{air}$ = daily dose through inhalation (mg/kg-day)
CPF = inhalation cancer potency factor (mg/kg-day^{-1})
ASF = age sensitivity factor for a specified age group (unitless)
ED = exposure duration (years)
AT = averaging time of lifetime cancer risk (years)
FAH = fraction of time spent at home (unitless)

Chronic Non-Cancer Risk. The chronic non-cancer risk is calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the chronic non-cancer risk hazard index:

$$Hazard\ Index = C_i/REL_i$$

C_i = concentration in the air of substance i (annual average concentration in µg/m^3)
REL_i = chronic noncancer Reference Exposure Level for substance (µg/m^3)

Acute Non-Cancer Hazard. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

Acute HQ = Maximum Hourly Air Concentration (µg/m^3) / Acute REL (µg/m^3)

Health Risk Computation. A health risk computation was performed to determine the cancer risk and chronic/acute non-cancer risk using the approach described in the OEHHA *Air Toxics Program Guidance Manual for the Preparation of Health Risk Assessments*, dated February 2015 (OEHHA Guidance Manual). Health risks were analyzed at the point of maximum impact and are a conservative estimate. The pollutant concentrations are then used to estimate the long-term cancer risk to an individual as well as the chronic/acute non-cancer risk hazard index.

The individual cancer and chronic/acute non-cancer risks are based on the annual average concentration of PM_{10} (used as a proxy for DPM) and benzene. As noted above, the chronic/acute and carcinogenic health risk calculations are based on the standardized equations contained in the U.S. EPA *Human Health Evaluation Manual* (1991) and the OEHHA Guidance Manual. The concentration estimates developed using this methodology are conservative and not a specific prediction of the actual concentrations that would occur at the project site at any given point in time. Actual 1-hour and annual average concentrations are dependent on many variables, particularly the number and types of vehicles and equipment operating at specific distances during periods of adverse meteorology. The health risk computation was performed to determine the risk of developing an excess cancer risk calculated on these worst-case exposure duration scenarios. Only the risk associated with the project's worst-case location was assessed.

5.0 Potential Health Risk Impacts

CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is composed of two phases, either gas or particulate – both contribute to the risk. As the project is proposed near existing sensitive receptors, an analysis of DPM was performed using the U.S. EPA-approved AERMOD model.

Benzene is also a TAC. The majority of benzene emitted in California comes from motor vehicles, including evaporative leakage and unburned fuel exhaust. Benzene is highly carcinogenic and occurs throughout California. Benzene also has non-cancer health effects. As the project is

proposing to dispense gasoline, an analysis of benzene was performed using the U.S. EPA-approved AERMOD model.

According to OEHHA, if multiple substances are emitted, the non-cancer risk from each of the individual substances is summed only if they affect the same organ system. While DPM is particularly associated with increased potential for lung cancer, diesel exhaust has many individual substances contained in it, including benzene. Therefore, the non-cancer risk from each of the project-emitting substances, DPM and benzene, are summed to give the total non-cancer risk for the entire facility at the receptor location. Cancer risks from different substances are treated additively in the Hot Spots Program in part because many carcinogens act through the common mechanism of DNA damage. However, this assumption fails to take into account the limited information on substance interactions. The overall uncertainty in the cancer potency factors and the variability in the human population is probably far greater than the uncertainty from the assumption of additivity.

5.1 Carcinogenic Risk

As noted above, the project would generate TACs from construction and operations (i.e. truck traveling along local roads, idling, and on-site circulation; backup generator; and fueling activities); refer to Section 4.1, *Methodology*, for a further discussion of project TAC sources. The project would be required to install vapor recovery systems per CARB's ATCM, comply with CARB's Vapor Recovery System Certification Procedure, and Use Enhanced Conventional (ECO) and Enhanced ORVR-Vehicle Recognition (EOR) nozzles, among others. The project would also be required to comply with SJVAPCD Rule 4622 (Gasoline Transfer Into Motor Vehicle Fuel Tanks), which would reduce fueling emissions.

Table 2: Carcinogenic Risk Assessment shows the unmitigated health risk for project construction and operations. Based on SJVAPCD methodology, the exposure duration for a resident is 70 years, beginning with the third trimester, and the worker and student exposure duration is 40 years and 5 years, respectively; refer to Table 2. Operations would commence following construction. As such, construction would not overlap with operations. The analysis calculates risk based on exposure to construction concentrations during the initial eight months of the exposure duration and operational concentrations for the remainder of the exposure duration. The project (construction and operations combined scenario) would result in a maximum cancer risk of 1.69 in one million at the residential receptors, 1.57 in one million at the worker receptors, and 2.76 in one million at the student receptors. Therefore, the SJVAPCD threshold of 20 in one million would not be exceeded at the nearest receptors and impacts would be less than significant.

Table 2: Carcinogenic Risk Assessment					
	Cancer Risk (per million)[1, 2, 3]				
		Operations			Construction and Operations Combined[4]
Receptors	Construction	Trucks + Generator	Gas Dispensing Facility	Total Operations	
Residences					
Approximately 464 feet southeast (260142.80, 4022066.18)	0.13	1.06	0.54	1.59	1.69
Approximately 390 feet southwest (259732.90, 4022233.46)	0.10	0.40	0.19	0.58	0.70
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**
Worker Exposure					
KCAO Margaret Crawford Infant Toddler Center located approximately 193 feet to the south (260000.63, 4022165.03)	0.02	0.21	0.89	1.10	1.57
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**
Student Exposure					
KCAO Margaret Crawford Infant Toddler Center located approximately 193 feet to the south (260000.63, 4022165.03)	0.18	0.29	1.25	1.54	2.76
Significance Threshold (Risk per Million)	*20*	*20*	*20*	*20*	*20*
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**No**

1. The reported risk is at the closest receptor (maximally exposed individual receptor (MEIR) for each exposure category.
2. Risk from "Construction" and "Trucks + Generator" is from PM_{10} and risk from the "Gas Dispensing Facility" is benzene.
3. Refer to Table 1 for exposure assumptions.
4. As cancer risk accumulates over time, the combined risk evaluates cancer risk with operational exposure starting at the end of construction. The combined risk assumes construction exposure starts from the third trimester for a year (8-month construction period) and operational exposure starts immediately after construction continues for the specified exposure duration shown in Table 1.

Refer to Appendix A: Modeling Data.

5.2 Non-Carcinogenic Hazards

The significance thresholds for TAC exposure also require an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts.

RELs are designed to protect sensitive individuals within the population. According to OEHHA, the REL for DPM is 5 and the target organ is the respiratory system.[16] There is no acute REL for DPM and the acute health risk cannot be calculated. The chronic and acute REL for benzene is 3 and 27, respectively and the target organ is the hematologic system.

Acute and chronic impacts are shown in Table 3: Chronic and Acute Hazard Assessment Results. An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. Table 3 shows that non-carcinogenic hazards are calculated to be within acceptable limits and a less than significant impact would occur.

Table 3: Chronic and Acute Hazards Assessment Results

Emissions Sources	Chronic Hazard	Acute Hazard
Residential Receptors		
Construction	5.2E-04	N/A
Trucks + Generator	3.0E-04	N/A
Gas Dispensing Facility	2.7E-03	4.9E-03
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**
Worker Receptors		
Construction	1.9E-03	N/A
Trucks + Generator	4.2E-04	N/A
Gas Dispensing Facility	3.0E-03	1.4E-02
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**
Student Receptors		
Construction	1.9E-03	N/A
Trucks + Generator	4.2E-04	N/A
Gas Dispensing Facility	3.0E-03	1.4E-02
Threshold	*1.0*	*1.0*
Threshold Exceeded?	**No**	**No**

Refer to Appendix A: Modeling Data.

5.3 Conclusion

As described above, impacts related to cancer risk would be less than significant. Additionally, non-carcinogenic hazards are calculated to be within acceptable limits. It should be noted that the impacts assess the project's incremental contribution to health risk impacts, consistent with the OEHHA guidance and methodology. The SJVAPCD has not established separate cumulative

[16] California Office of Environmental Health Hazard Assessment, *OEHHA Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary*, https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary, accessed July 2025.

thresholds and does not require combining impacts from cumulative projects. The SJVAPCD considers projects that do not exceed the project-specific thresholds to generally not be cumulatively significant. Therefore, impacts related to health risk from the project would be less than significant.

Mitigation Measures: No mitigation measures are required.

Level of Significance: Less than significant.

Appendix A

Modeling Data

Summary

						Construction			Operations			Ops -Benzene			Combined				
Description		Location	X	Y	X, Y	#	Const Risk	Risk per Million	#	Ops Risk	Risk per Million	#	Ops Risk	Risk per Million	#	Combined Risk (DPM)	Combined Risk (Benzene)	Risk per Million
Residential	1	Residents to the Southeast	260142.80	4022066.18	260142.8, 4022066.18	740	1.30E-07	0.13	740	1.06E-06	1.06	740	5.39E-07	0.54	740	1.15E-06	5.39E-07	1.69
	2	Residents to the Southwest	259732.90	4022233.46	259732.9, 4022233.46	495	1.04E-07	0.10	495	3.96E-07	0.40	495	1.87E-07	0.19	495	5.10E-07	1.87E-07	0.70
					Sheet Name:	ConstRisk!	ConstRisk!		OpsRisk!	OpsRisk!		OpsBenzer	OpsBenzene!		CombinedRis	CombinedRisk!		
					Lookup Range:	E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		
					Return Range:	A9:A833	W9:W833		A9:A833	AD9:AD833		A9:A833	V9:V833		A9:A833	V9:V833		
Worker	1	Daycare to the south (KCAO Margaret Crawford Infant Toddler Center)	260000.63	4022165.03	260000.63, 4022165.03	524	1.55E-08	0.02	524	2.07E-07	0.21	524	8.89E-07	0.89	524	6.77295E-07	8.89E-07	1.57
					Sheet Name:	WorkerRisk!	WorkerRisk!		WorkerRisk	WorkerRisk!		WorkerRis	WorkerRisk!		WorkerRisk	WorkerRisk!		
					Lookup Range:	E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		
					Return Range:	A9:A833	N9:N833		A9:A833	O9:O833		A9:A833	P9:P833		A9:A833	U9:U833		
Student	1	Daycare to the south (KCAO Margaret Crawford Infant Toddler Center)	260000.63	4022165.03	260000.63, 4022165.03	524	1.75E-07	0.18	524	2.91E-07	0.29	524	1.25E-06	1.25	524	1.51256E-06	1.25E-06	2.76
					Sheet Name:	StudentRisk!	StudentRisk!		StudentRisk	StudentRisk!		StudentRis	StudentRisk!		StudentRisk	StudentRisk!		
					Lookup Range:	E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		E9:E833	E9:E833		
					Return Range:	A9:A833	N9:N833		A9:A833	O9:O833		A9:A833	P9:P833		A9:A833	U9:U833		

			DPM Chronic			Chronic Hazard			Benzene Chronic		Chronic Hazard	Benzene Acute Hazard (Gas Station)		
Description		Location	Const	Ops	REL	Const	Ops		Ops	REL	Ops	1 Hr Concentration	REL	Acute
Residential	1	Residents to the Southeast	0.00260593	0.00149564	5	5.2E-04	3.0E-04		8.2E-03	3	2.7E-03	0.132176888	27	4.9E-03
	2	Residents to the Southwest	0.0020917	0.00056091	5	4.2E-04	1.1E-04		2.9E-03	3	9.5E-04	0.148509227	27	5.5E-03
					MAX:	*0.001*	*0.000*				*0.003*			*0.006*
		Sheet Name:	ConstRisk!	OpsRisk!					OpsBenzene!			Acute!		
		Lookup Range:	E9:E833	E9:E833					E9:E833			E9:E833		
		Return Range:	K9:K833	O9:O833					I9:I833			H9:H833		
Worker	1	Daycare to the south (KCAO Margaret Crawford Infant Toddler Center)	9.41E-03	2.09E-03	5	1.9E-03	4.2E-04		9.0E-03	3	3.0E-03	0.382307676	27	1.4E-02
		Sheet Name:	WorkerRisk!	WorkerRisk!					WorkerRisk!			Acute!		
		Lookup Range:	E9:E833	E9:E833					E9:E833			E9:E833		
		Return Range:	F9:F833	G9:G833					H9:H833			H9:H833		
Student	1	Daycare to the south (KCAO Margaret Crawford Infant Toddler Center)	0.00941322	0.00208542	5	1.9E-03	4.2E-04		9.0E-03	3	3.0E-03	0.382307676	27	1.4E-02
		Sheet Name:	StudentRisk!	StudentRisk!					StudentRisk!			Acute!		
		Lookup Range:	E9:E833	E9:E833					E9:E833			E9:E833		
		Return Range:	F9:F833	G9:G833					H9:H833			H9:H833		

Exposure/BR Factors

Age	BR/BW	ASF	FAH	Const ED	Ops ED
3rd	361	10	0.85	0.25	0.25
0<2	1090	10	0.85	0.42	2
2<9	631	3	0.72	0	7
9<16	572	3	0.72	0	7
16<70	261	1	0.73	0	53.75
Worker	230	1	1	0.67	40
Student*	1200	3	1	0.67	5

Combined Exposure/BR Factors

Age	BR/BW	ASF	FAH	Const ED	Ops ED
3rd	361	10	0.85	0.25	0
C 0<2	1090	10	0.85	0.42	0
O 0<2	1090	10	0.85	0	1.58
2<9	631	3	0.72	0	7
9<16	572	3	0.72	0	7
16<70	261	1	0.73	0	53.75
Worker	230	1	1	0.67	39.33
Student*	1200	3	1	0.67	4.33

Construction Emissions Rates

Year		Start	End	Work Days	Trips/Day Vendor	Trips/Day Hauling	Total Trips Vendor	Total Trips Hauling
2026	Demolition	7/11/2026	7/24/2026	10	0	9	0	88
2026	Site Preparation	9/20/2026	10/2/2026	10	0	0	0	0
2026	Grading	10/3/2026	10/30/2026	20	0	129	0	2576
2026	Building Construction	11/28/2026	12/31/2026	24	2	0	47	0
2026	Paving	10/31/2026	11/27/2026	20	0	0	0	0
2026	Trenching	7/25/2026	9/25/2026	45	0	0	0	0
				129	*2*	*138*	*47*	*2,664*
2027	Building Construction	1/1/2027	3/16/2027	53	2	0	104	0
2027	Architectural Coating	1/27/2027	3/16/2027	35	0	0	0	0
				88	*2*	*0*	*104*	*0*
			Total Construction Days:	*217*				

On-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Days	Unmitigated	
2026	Demolition	10	0.00421544	0.042154364
2026	Site Preparation	10	0.00621256	0.062125646
2026	Grading	20	0.00646216	0.129243269
2026	Building Construction	24	0.00459794	0.110350599
2026	Paving	20	0.00319866	0.063973142
	Total 2026	129	**0.02468676**	**0.003161605**
2027	Building Construction	53	0.00901538	0.477815334
2027	Architectural Coating	35	0.00033335	0.011667318
	Total 2027	88	**0.00934874**	**0.005562303**

Off-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Unmitigated	
2026	Demolition	2.9101E-05	0.00029101
2026	Site Preparati	0	0
2026	Grading	0.000851866	0.017037324
2026	Building Cons	1.83729E-06	4.4095E-05
2026	Paving	0	0
	Total 2026	**0.000882804**	**0.00013467**
2027	Building Cons	4.05285E-06	0.000214801
2027	Architectural	0	0
	Total 2027	**4.05285E-06**	**2.44092E-06**

Construction
Group: ONSITE

PM10 Exhaust Onsite Unmitigated

Year	Tons/Year	g/s	Weighted Average On-Site Rate	AERMOD Unitized Rate (g/s)
2026	3.16E-03	7.72E-04	**1.27E-03**	1
2027	5.56E-03	1.99E-03		

Group: HAUL

	Trips Vendor	Trips Hauling	Miles Vendor	Miles Hauling	Weighted Trip length
2026	47	2,664	3.5	20	19.71
2027	104	0	3.5	20	3.50

PM10 Exhaust Haul

	Tons/Year	g/s	g/s per mile	Weighted Average Off-Site Rate
2026	1.35E-04	3.29E-05	1.67E-06	1.09E-06
2027	2.44E-06	8.74E-07	2.50E-07	

	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
HAUL	697	0.43	1.09E-06	**4.73E-07**

*Variable emissions - assumes 8 hours/day Monday-Friday

Operational Emissions Rates - DPM

Maverik Station On-Site Truck and TRU

Source ID:		Speed (mph)	Trips (veh/day)	Mobile Emission Factor (g/mi)	TRU Trips (veh/day)	TRU* (g/hr)	Length (meters)	Length (mi)	Truck (g/day)	TRU (g/day)	Emission Rate (g/sec)	AERMOD Unitized Rate
ONSITE	Maverik On-Site Travel	15	142	0.0200	82	0.0226	231.7	0.1440	0.41	0.02	**4.93E-06**	1

		Speed (mph)	Trips (veh/day)	Mobile Emission Factor (g/trip)	TRU Trips (veh/day)	TRU[1] (g/hr)	Duration (hr/veh)		Truck (g/day)	TRU (g/day)	Emission Rate (g/sec)	AERMOD Unitized Rate
IDLE	Maverik On-Site Idle	Idle	142	0.0019	82	0.0226	0.25		0.07	0.46	**6.16E-06**	1

1. All truck TRUs operating in California shall be zero-emission by December 31, 2029. (Source: https://ww2.arb.ca.gov/transport-refrigeration-unit-tru-or-reefer-regulation-truckstop#:~:text=Zero%2Demission%20truck%20TRU%20requirement3,year%20(f

	Off-Site (AERMOD Source Group) Truck+TRU	(mph)	(trips/day)	Truck (g/mi)	TRU* (g/hr)	(meters)	(mi)	Truck (g/day)	TRU (g/day)	Emission Rate (g/sec)	AERMOD Unitized Rate (g/sec)
OFF1	SR-198 Offramp	35	142	0.0092	0.0226	463.9	0.2883	0.38	0.02	4.56E-06	0.120709844
OFF2	SR-198 Onramp	35	142	0.0092	0.0226	311.2	0.1934	0.25	0.01	3.06E-06	0.080976295
OFF3	12th Avenue	40	142	0.0107	0.0226	870.9	0.5412	0.82	0.03	9.78E-06	0.226613931
OFF4	Hanford Armona Road	40	142	0.0107	0.0226	2046.6	1.2717	1.93	0.06	2.30E-05	0.532538836
OFF5	Hayden Avenue	35	142	0.0092	0.0226	150.5	0.0935	0.12	0.00	1.48E-06	0.039161094
										4.19E-05	

Source: Emissions rates from CARB EMFAC2021 and CARB OFFROAD.

	Backup Generators	Quantity	Unmitigated g/s per generator	AERMOD Unitized Rate
GEN	Maverik Convenience Store	1	1.23E-02	1.00

Gas Station Emission Rates - TOG

Fueling Station - TOG Emissions Factors and Annual Emissions

Emissions Source	Annual Gasoline Throughput (gallons/year)	TOG Emissions Factor (lb/1,000 gallon)[1]	TOG Annual Emissions (lbs/year)	Benzene		AERMOD Unitized Rate
				Emission Rate (lbs/hr)	Emission Rate (g/s)	
	3,618,000					
Loading (Bulk Transfer Losses)		0.15	542.7	0.000283121	3.57E-05	
Breathing (Pressure Driven Losses)		0.024	86.8	4.52993E-05	5.71E-06	
Fueling (Non-ORVR Vehicles)		0.42	1,519.6	0.000792738	9.99E-05	
Fueling (ORVR Vehicles)		0.021	76.0	3.96369E-05	4.99E-06	
Hose Permeation (Gasoline Hose Losses)		0.009	32.6	1.69873E-05	2.14E-06	
Total Transfer and Pressure Losses			*2,257.6*	*0.001177783*	*1.48E-04*	
Fueling - Spillage		0.24	868.3	0.000700802	8.83E-05	
Total Transfer/Pressure and Spillage			**3,126.0**	**0.001878585**	**2.37E-04**	1

Sources:

1. CAPCOA and CARB, Gasoline Service Station Industrywide Risk Assessment Technical Guidance, Table 7, September 2022.

The emission factors do not reflect control technologies required by any Vapor Recovery regulations later than 2013. Regulations later than 2013 i

- Certification Procedure for Vapor Recovery Systems for Enhanced Conventional (ECO) Nozzles and Low Permeation Conventional Hoses for U

Procedure for Enhanced Conventional (ECO) Nozzles and Low Permeation Conventional Hoses for Use at Gasoline Dispensing Facilities (CP-207)

Conversions

1 meter =	0.000621371	miles
1 day =	86400	seconds
1 hour =	3600	seconds
1 pound =	453.592	grams
1 year =	8760	hours

Substance	Average Substance Weight in Vapor	Average Substance Weight in Liquid
Benzene	0.00457	0.00707

Source (Table 11): https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%20

Model Output: Off-Road Web Query (v1.1.1) Emissions Inventory
Region Type: County
Region: Kings

PM10 (g/hph):

2027	**0.02258016**

Calendar Year: 2027

Scenario: All Adopted Rules - Exhaust
Vehicle Classification: Off-Road Web Query Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Yr	Vehicle Category	Model Yea	Horsepowe	Fuel	PM10_tpd	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Kings	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	25	Diesel	0.000115159	50323.78	64.35	1258094.5
Kings	2027	Transport Refrigeration Unit - Instate Genset	Aggregate	50	Diesel	0.000027649	22536.45	28.78	1126822.5
Kings	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	25	Diesel	0.001391467	472152.44	267.04	11803811
Kings	2027	Transport Refrigeration Unit - Instate Trailer	Aggregate	50	Diesel	0.000844352	621735.51	351.72	31086775.5
Kings	2027	Transport Refrigeration Unit - Instate Truck	Aggregate	23	Diesel	0.000392388	71505.45	131.34	1644625.35
Kings	2027	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	25	Diesel	0.000102892	44127.25	355.79362	1103181.25
Kings	2027	Transport Refrigeration Unit - Out-of-State Genset	Aggregate	50	Diesel	0.000027817	14269.92	114.99	713496
Kings	2027	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	25	Diesel	0.00143031	467719.22	1719.47	11692980.5
Kings	2027	Transport Refrigeration Unit - Out-of-State Trailer	Aggregate	50	Diesel	0.00034627	163509	601.04	8175450
						0.004678303			68605236.6

Emergency Backup Generator Emissions

								Unmitigated			
Fuel Type	Quantity	HP	LF	Hours/Year per Unit	Hours per Day	HP-hr per day	Total hp-hr per year	PM10 Emissions Rate (g/hp-hr)[1]	Tons/Year	g/year	g/s per generator
Diesel	1	400	0.74	50	1	400	14,800	0.15	2.45E-03	2220	0.0123333

Source:

1. User Guide for CalEEMod Version 2022.1, Appendix G, Table G-40.

2. Final Rule for Control of Emissions of Air Pollution From Nonroad Diesel Engines and Fuel, Table II.A-4.4 (Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-control-emissions-air-pollution-nonroad).

Construction Risk

	On-Site	Off-Site
Emissions Rate (g/s):	1.27E-03	4.73E-07

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s		Unmitigated			Residential Dose					Risk by Age Group					
	X	Y	X, Y	On-Site	Off-Site	On-Site	Off-Site	Total	3rd	0<2	2<9	9<16	16<70	3rd	0<2	2<9	9<16	16<70	Total Risk
1	BKGN	259429.52	4021822.74	259429.52, 4	0.1032	0.08506	0.0001307	4.026E-08	0.00013	3.2E-08	9.8E-08	5.6E-08	5.1E-08	2.3E-08	1.1E-09	5.4E-09	0.0E+00	0.0E+00	0.0E+00	6.5E-09
2	BKGN	259488.16	4021822.74	259488.16, 4	0.1133	0.09106	0.0001435	4.31E-08	0.00014	3.5E-08	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	6.0E-09	0.0E+00	0.0E+00	0.0E+00	7.1E-09
3	BKGN	259546.8	4021822.74	259546.8, 4(	0.12601	0.09795	0.0001596	4.636E-08	0.00016	3.9E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.3E-09	6.6E-09	0.0E+00	0.0E+00	0.0E+00	8.0E-09
4	BKGN	259605.44	4021822.74	259605.44, 4	0.14114	0.10629	0.0001787	5.031E-08	0.00018	4.4E-08	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.5E-09	7.4E-09	0.0E+00	0.0E+00	0.0E+00	8.9E-09
5	BKGN	259664.08	4021822.74	259664.08, 4	0.15831	0.11656	0.0002005	5.517E-08	0.0002	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	8.3E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
6	BKGN	259722.72	4021822.74	259722.72, 4	0.17703	0.1289	0.0002242	6.101E-08	0.00022	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	9.3E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
7	BKGN	259781.36	4021822.74	259781.36, 4	0.19626	0.14353	0.0002485	6.793E-08	0.00025	6.1E-08	1.9E-07	1.1E-07	9.7E-08	4.4E-08	2.1E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
8	BKGN	259840	4021822.74	259840, 402	0.21728	0.16082	0.0002752	7.612E-08	0.00028	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
9	BKGN	259898.64	4021822.74	259898.64, 4	0.24772	0.18031	0.0003137	8.534E-08	0.00031	7.8E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
10	BKGN	259957.28	4021822.74	259957.28, 4	0.29713	0.20151	0.0003763	9.538E-08	0.00038	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
11	BKGN	260015.92	4021822.74	260015.92, 4	0.36798	0.22624	0.000466	1.071E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
12	BKGN	260074.56	4021822.74	260074.56, 4	0.45457	0.25552	0.0005756	1.209E-07	0.00058	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.8E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
13	BKGN	260133.2	4021822.74	260133.2, 4(	0.53797	0.28666	0.0006813	1.357E-07	0.00068	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
14	BKGN	260191.84	4021822.74	260191.84, 4	0.59047	0.31679	0.0007477	1.499E-07	0.00075	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
15	BKGN	260250.48	4021822.74	260250.48, 4	0.59451	0.34094	0.0007529	1.614E-07	0.00075	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
16	BKGN	260309.12	4021822.74	260309.12, 4	0.5546	0.35067	0.0007023	1.66E-07	0.0007	1.7E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
17	BKGN	260367.76	4021822.74	260367.76, 4	0.48944	0.34166	0.0006198	1.617E-07	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
18	BKGN	260426.4	4021822.74	260426.4, 4(	0.41689	0.31747	0.0005279	1.503E-07	0.00053	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
19	BKGN	260485.04	4021822.74	260485.04, 4	0.34794	0.28516	0.0004406	1.35E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
20	BKGN	260543.68	4021822.74	260543.68, 4	0.28744	0.25047	0.000364	1.186E-07	0.00036	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
21	BKGN	260602.32	4021822.74	260602.32, 4	0.23678	0.21704	0.0002998	1.027E-07	0.0003	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
22	BKGN	259429.52	4021866.26	259429.52, 4	0.11509	0.09353	0.0001457	4.427E-08	0.00015	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	6.1E-09	0.0E+00	0.0E+00	0.0E+00	7.3E-09
23	BKGN	259488.16	4021866.26	259488.16, 4	0.1266	0.10064	0.0001603	4.763E-08	0.00016	4.0E-08	1.2E-07	6.9E-08	6.3E-08	2.9E-08	1.3E-09	6.7E-09	0.0E+00	0.0E+00	0.0E+00	8.0E-09
24	BKGN	259546.8	4021866.26	259546.8, 4(	0.14136	0.10878	0.000179	5.149E-08	0.00018	4.4E-08	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.5E-09	7.4E-09	0.0E+00	0.0E+00	0.0E+00	8.9E-09
25	BKGN	259605.44	4021866.26	259605.44, 4	0.15976	0.11878	0.0002023	5.622E-08	0.0002	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	8.4E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
26	BKGN	259664.08	4021866.26	259664.08, 4	0.18154	0.13134	0.0002299	6.217E-08	0.00023	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.9E-09	9.6E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
27	BKGN	259722.72	4021866.26	259722.72, 4	0.20615	0.14675	0.0002611	6.946E-08	0.00026	6.5E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
28	BKGN	259781.36	4021866.26	259781.36, 4	0.23233	0.16524	0.0002942	7.821E-08	0.00029	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
29	BKGN	259840	4021866.26	259840, 402	0.26137	0.18717	0.000331	8.859E-08	0.00033	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
30	BKGN	259898.64	4021866.26	259898.64, 4	0.30346	0.21176	0.0003843	1.002E-07	0.00038	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
31	BKGN	259957.28	4021866.26	259957.28, 4	0.37216	0.23774	0.0004713	1.125E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
32	BKGN	260015.92	4021866.26	260015.92, 4	0.47199	0.26756	0.0005977	1.266E-07	0.0006	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
33	BKGN	260074.56	4021866.26	260074.56, 4	0.58718	0.30334	0.0007436	1.436E-07	0.00074	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
34	BKGN	260133.2	4021866.26	260133.2, 4(	0.68488	0.34174	0.0008673	1.618E-07	0.00087	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.6E-07	7.2E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.3E-08
35	BKGN	260191.84	4021866.26	260191.84, 4	0.72651	0.37821	0.00092	1.79E-07	0.00092	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
36	BKGN	260250.48	4021866.26	260250.48, 4	0.6992	0.40298	0.0008854	1.907E-07	0.00089	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	7.3E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
37	BKGN	260309.12	4021866.26	260309.12, 4	0.62243	0.40467	0.0007882	1.915E-07	0.00079	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
38	BKGN	260367.76	4021866.26	260367.76, 4	0.52753	0.3825	0.000668	1.81E-07	0.00067	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
39	BKGN	260426.4	4021866.26	260426.4, 4(	0.43415	0.34487	0.0005498	1.632E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
40	BKGN	260485.04	4021866.26	260485.04, 4	0.35202	0.30143	0.0004458	1.427E-07	0.00045	1.1E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
41	BKGN	260543.68	4021866.26	260543.68, 4	0.28428	0.25849	0.00036	1.223E-07	0.00036	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.4E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
42	BKGN	260602.32	4021866.26	260602.32, 4	0.23059	0.21955	0.000292	1.039E-07	0.00029	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
43	BKGN	259429.52	4021909.78	259429.52, 4	0.12934	0.10341	0.0001638	4.895E-08	0.00016	4.1E-08	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.4E-09	6.8E-09	0.0E+00	0.0E+00	0.0E+00	8.2E-09
44	BKGN	259488.16	4021909.78	259488.16, 4	0.14301	0.11201	0.0001811	5.302E-08	0.00018	4.5E-08	1.4E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	7.5E-09	0.0E+00	0.0E+00	0.0E+00	9.0E-09
45	BKGN	259546.8	4021909.78	259546.8, 4(	0.1604	0.12184	0.0002031	5.767E-08	0.0002	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.7E-09	8.4E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
46	BKGN	259605.44	4021909.78	259605.44, 4	0.18275	0.13396	0.0002314	6.341E-08	0.00023	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.1E-08	1.9E-09	9.6E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
47	BKGN	259664.08	4021909.78	259664.08, 4	0.21046	0.14944	0.0002665	7.073E-08	0.00027	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
48	BKGN	259722.72	4021909.78	259722.72, 4	0.24323	0.16885	0.000308	7.992E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
49	BKGN	259781.36	4021909.78	259781.36, 4	0.27957	0.19255	0.000354	9.114E-08	0.00035	8.8E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
50	BKGN	259840	4021909.78	259840, 402	0.32072	0.22067	0.0004061	1.044E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
51	BKGN	259898.64	4021909.78	259898.64, 4	0.38084	0.2519	0.0004823	1.192E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
52	BKGN	259957.28	4021909.78	259957.28, 4	0.47999	0.28402	0.0006078	1.344E-07	0.00061	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	5.0E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
53	BKGN	260015.92	4021909.78	260015.92, 4	0.6227	0.32036	0.0007886	1.516E-07	0.00079	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
54	BKGN	260074.56	4021909.78	260074.56, 4	0.77636	0.36519	0.0009831	1.728E-07	0.00098	2.4E-07	7.3E-07	4.2E-07	3.9E-07	1.8E-07	8.1E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
55	BKGN	260133.2	4021909.78	260133.2, 4(	0.88143	0.41404	0.0011162	1.96E-07	0.00112	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	9.2E-09	4.6E-08	0.0E+00	0.0E+00	0.0E+00	5.6E-08
56	BKGN	260191.84	4021909.78	260191.84, 4	0.89156	0.4581	0.001129	2.168E-07	0.00113	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	9.3E-09	4.7E-08	0.0E+00	0.0E+00	0.0E+00	5.6E-08
57	BKGN	260250.48	4021909.78	260250.48, 4	0.81228	0.47946	0.0010286	2.269E-07	0.00103	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	8.5E-09	4.3E-08	0.0E+00	0.0E+00	0.0E+00	5.1E-08
58	BKGN	260309.12	4021909.78	260309.12, 4	0.68622	0.46603	0.000869	2.206E-07	0.00087	2.1E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	7.2E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.3E-08
59	BKGN	260367.76	4021909.78	260367.76, 4	0.55661	0.42474	0.0007049	2.01E-07	0.00071	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
60	BKGN	260426.4	4021909.78	260426.4, 4(	0.44227	0.37024	0.0005601	1.752E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
61	BKGN	260485.04	4021909.78	260485.04, 4	0.34901	0.31427	0.000442	1.487E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.7E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
62	BKGN	260543.68	4021909.78	260543.68, 4	0.27583	0.26295	0.0003493	1.245E-07	0.00035	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
63	BKGN	260602.32	4021909.78	260602.32, 4	0.22096	0.21895	0.0002798	1.036E-07	0.00028	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
64	BKGN	259429.52	4021953.3	259429.52, 4	0.14585	0.1149	0.0001847	5.438E-08	0.00018	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	7.7E-09	0.0E+00	0.0E+00	0.0E+00	9.2E-09
65	BKGN	259488.16	4021953.3	259488.16, 4	0.16305	0.12552	0.0002065	5.941E-08	0.00021	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.7E-09	8.6E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
66	BKGN	259546.8	4021953.3	259546.8, 4(	0.18431	0.13768	0.0002334	6.517E-08	0.00023	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.9E-09	9.7E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
67	BKGN	259605.44	4021953.3	259605.44, 4	0.21177	0.15272	0.0002682	7.228E-08	0.00027	6.6E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
68	BKGN	259664.08	4021953.3	259664.08, 4	0.24724	0.17203	0.0003131	8.142E-08	0.00031	7.7E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
69	BKGN	259722.72	4021953.3	259722.72, 4	0.29138	0.19673	0.000369	9.312E-08	0.00037	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
70	BKGN	259781.36	4021953.3	259781.36, 4	0.34294	0.22748	0.0004343	1.077E-07	0.00043	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
71	BKGN	259840	4021953.3	259840, 402	0.4031	0.26391	0.0005105	1.249E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
72	BKGN	259898.64	4021953.3	259898.64, 4	0.49262	0.30386	0.0006238	1.438E-07	0.00062	1.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	5.2E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
73	BKGN	259957.28	4021953.3	259957.28, 4	0.64221	0.34413	0.0008133	1.629E-07	0.00081	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.1E-08
74	BKGN	260015.92	4021953.3	260015.92, 4	0.85254	0.3893	0.0010796	1.843E-07	0.00108	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.9E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.4E-08
75	BKGN	260074.56	4021953.3	260074.56, 4	1.05005	0.44746	0.0013297	2.118E-07	0.00133	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.1E-08	5.5E-08	0.0E+00	0.0E+00	0.0E+00	6.6E-08
76	BKGN	260133.2	4021953.3	260133.2, 4(	1.14016	0.51187	0.0014438	2.423E-07	0.00144	3.6E-07	1.1E-06	6.2E-07	5.7E-07	2.6E-07	1.2E-08	6.0E-08	0.0E+00	0.0E+00	0.0E+00	7.2E-08
77	BKGN	260191.84	4021953.3	260191.84, 4	1.0838	0.56344	0.0013725	2.667E-07	0.00137	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.1E-08	5.7E-08	0.0E+00	0.0E+00	0.0E+00	6.8E-08
78	BKGN	260250.48	4021953.3	260250.48, 4	0.9254	0.57245	0.0011719	2.709E-07	0.00117	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	9.7E-09	4.9E-08	0.0E+00	0.0E+00	0.0E+00	5.8E-08
79	BKGN	260309.12	4021953.3	260309.12, 4	0.74021	0.53334	0.0009374	2.524E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.7E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
80	BKGN	260367.76	4021953.3	260367.76, 4	0.57341	0.46589	0.0007261	2.205E-07	0.00073	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	6.0E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
81	BKGN	260426.4	4021953.3	260426.4, 4(	0.43991	0.39134	0.0005571	1.852E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
82	BKGN	260485.04	4021953.3	260485.04, 4	0.33886	0.32212	0.0004291	1.525E-07	0.00043	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
83	BKGN	260543.68	4021953.3	260543.68, 4	0.26505	0.26321	0.0003356	1.246E-07	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
84	BKGN	260602.32	4021953.3	260602.32, 4	0.21079	0.2152	0.0002669	1.019E-07	0.00027	6.6E-08	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
85	BKGN	259429.52	4021996.82	259429.52, 4	0.16417	0.12827	0.0002079	6.071E-08	0.00021	5.1E-08	1.6E-07	9.0E-08	8.1E-08	3.7E-08	1.7E-09	8.6E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
86	BKGN	259488.16	4021996.82	259488.16, 4	0.18672	0.14154	0.0002365	6.699E-08	0.00024	5.8E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	9.8E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
87	BKGN	259546.8	4021996.82	259546.8, 4(	0.21416	0.1569	0.0002712	7.426E-08	0.00027	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
88	BKGN	259605.44	4021996.82	259605.44, 4	0.24914	0.17603	0.0003155	8.332E-08	0.00032	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
89	BKGN	259664.08	4021996.82	259664.08, 4	0.29524	0.20076	0.0003739	9.502E-08	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08

90	BKGN	259722.72	4021996.82	259722.72, 4	0.35553	0.23271	0.0004502	1.101E-07	0.00045	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
91	BKGN	259781.36	4021996.82	259781.36, 4	0.43046	0.273	0.0005451	1.292E-07	0.00055	1.3E-07	4.1E-07	2.4E-07	2.1E-07	9.7E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
92	BKGN	259840	4021996.82	259840, 402	0.52192	0.32064	0.0006609	1.518E-07	0.00066	1.6E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
93	BKGN	259898.64	4021996.82	259898.64, 4	0.66256	0.37227	0.000839	1.762E-07	0.00084	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
94	BKGN	259957.28	4021996.82	259957.28, 4	0.90043	0.42369	0.0011403	2.005E-07	0.00114	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	9.4E-09	4.7E-08	0.0E+00	0.0E+00	0.0E+00	5.7E-08
95	BKGN	260015.92	4021996.82	260015.92, 4	1.21341	0.48155	0.0015366	2.279E-07	0.00154	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	6.4E-08	0.0E+00	0.0E+00	0.0E+00	7.7E-08
96	BKGN	260074.56	4021996.82	260074.56, 4	1.45134	0.56128	0.0018379	2.657E-07	0.00184	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.5E-08	7.6E-08	0.0E+00	0.0E+00	0.0E+00	9.2E-08
97	BKGN	260133.2	4021996.82	260133.2, 40	1.4747	0.64956	0.0018675	3.074E-07	0.00187	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.5E-08	7.8E-08	0.0E+00	0.0E+00	0.0E+00	9.3E-08
98	BKGN	260191.84	4021996.82	260191.84, 4	1.29273	0.70296	0.0016371	3.327E-07	0.00164	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.4E-08	6.8E-08	0.0E+00	0.0E+00	0.0E+00	8.2E-08
99	BKGN	260250.48	4021996.82	260250.48, 4	1.0245	0.6819	0.0012974	3.228E-07	0.0013	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.1E-08	5.4E-08	0.0E+00	0.0E+00	0.0E+00	6.5E-08
100	BKGN	260309.12	4021996.82	260309.12, 4	0.77232	0.60246	0.000978	2.852E-07	0.00098	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	8.1E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
101	BKGN	260367.76	4021996.82	260367.76, 4	0.57272	0.50173	0.0007253	2.375E-07	0.00073	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	6.0E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
102	BKGN	260426.4	4021996.82	260426.4, 40	0.42688	0.40542	0.0005406	1.919E-07	0.00054	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
103	BKGN	260485.04	4021996.82	260485.04, 4	0.32319	0.32384	0.0004093	1.533E-07	0.00041	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
104	BKGN	260543.68	4021996.82	260543.68, 4	0.25111	0.25883	0.000318	1.225E-07	0.00032	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
105	BKGN	260602.32	4021996.82	260602.32, 4	0.19965	0.20854	0.0002528	9.87E-08	0.00025	6.3E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
106	BKGN	259429.52	4022040.34	259429.52, 4	0.18388	0.14401	0.0002329	6.816E-08	0.00023	5.8E-08	1.7E-07	1.0E-07	9.1E-08	4.2E-08	1.9E-09	9.7E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
107	BKGN	259488.16	4022040.34	259488.16, 4	0.21351	0.16069	0.0002704	7.606E-08	0.00027	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
108	BKGN	259546.8	4022040.34	259546.8, 40	0.25027	0.1803	0.0003169	8.534E-08	0.00032	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
109	BKGN	259605.44	4022040.34	259605.44, 4	0.29711	0.2052	0.0003762	9.712E-08	0.00038	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
110	BKGN	259664.08	4022040.34	259664.08, 4	0.35933	0.23783	0.000455	1.126E-07	0.00046	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
111	BKGN	259722.72	4022040.34	259722.72, 4	0.44384	0.28026	0.0005621	1.327E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
112	BKGN	259781.36	4022040.34	259781.36, 4	0.55598	0.33367	0.0007041	1.579E-07	0.0007	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
113	BKGN	259840	4022040.34	259840, 402	0.70199	0.39634	0.000889	1.876E-07	0.00089	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	7.3E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
114	BKGN	259898.64	4022040.34	259898.64, 4	0.93912	0.46392	0.0011893	2.196E-07	0.00119	2.9E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	9.8E-09	4.9E-08	0.0E+00	0.0E+00	0.0E+00	5.9E-08
115	BKGN	259957.28	4022040.34	259957.28, 4	1.34129	0.53177	0.0016985	2.517E-07	0.0017	4.2E-07	1.3E-06	7.3E-07	6.7E-07	3.0E-07	1.4E-08	7.1E-08	0.0E+00	0.0E+00	0.0E+00	8.5E-08
116	BKGN	260015.92	4022040.34	260015.92, 4	1.80319	0.60981	0.0022835	2.886E-07	0.00228	5.6E-07	1.7E-06	9.9E-07	8.9E-07	4.1E-07	1.9E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
117	BKGN	260074.56	4022040.34	260074.56, 4	2.03412	0.72768	0.0025759	3.444E-07	0.00258	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.1E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
118	BKGN	260133.2	4022040.34	260133.2, 40	1.88172	0.85136	0.0023829	4.03E-07	0.00238	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.3E-07	2.0E-08	9.9E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
119	BKGN	260191.84	4022040.34	260191.84, 4	1.49169	0.88531	0.001889	4.19E-07	0.00189	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	7.9E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
120	BKGN	260250.48	4022040.34	260250.48, 4	1.09199	0.804	0.0013828	3.805E-07	0.00138	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.1E-08	5.7E-08	0.0E+00	0.0E+00	0.0E+00	6.9E-08
121	BKGN	260309.12	4022040.34	260309.12, 4	0.77696	0.66678	0.0009839	3.156E-07	0.00098	2.4E-07	7.3E-07	4.3E-07	3.9E-07	1.8E-07	8.1E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
122	BKGN	260367.76	4022040.34	260367.76, 4	0.55544	0.52774	0.0007034	2.498E-07	0.0007	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
123	BKGN	260426.4	4022040.34	260426.4, 40	0.40567	0.41038	0.0005137	1.942E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
124	BKGN	260485.04	4022040.34	260485.04, 4	0.30495	0.31894	0.0003862	1.51E-07	0.00039	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
125	BKGN	260543.68	4022040.34	260543.68, 4	0.23634	0.25034	0.0002993	1.185E-07	0.0003	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
126	BKGN	260602.32	4022040.34	260602.32, 4	0.18852	0.19968	0.0002387	9.451E-08	0.00024	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.0E-09	9.9E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
127	BKGN	259429.52	4022083.86	259429.52, 4	0.20486	0.16275	0.0002594	7.703E-08	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
128	BKGN	259488.16	4022083.86	259488.16, 4	0.24292	0.18385	0.0003076	8.702E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
129	BKGN	259546.8	4022083.86	259546.8, 40	0.2922	0.20911	0.00037	9.897E-08	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	3.1E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
130	BKGN	259605.44	4022083.86	259605.44, 4	0.35712	0.24198	0.0004522	1.145E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
131	BKGN	259664.08	4022083.86	259664.08, 4	0.44528	0.28614	0.0005639	1.354E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.7E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
132	BKGN	259722.72	4022083.86	259722.72, 4	0.56885	0.34424	0.0007204	1.629E-07	0.00072	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.9E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
133	BKGN	259781.36	4022083.86	259781.36, 4	0.74502	0.4164	0.0009435	1.971E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
134	BKGN	259840	4022083.86	259840, 402	0.99457	0.49933	0.0012595	2.363E-07	0.00126	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.0E-08	5.2E-08	0.0E+00	0.0E+00	0.0E+00	6.3E-08
135	BKGN	259898.64	4022083.86	259898.64, 4	1.43594	0.58961	0.0018184	2.791E-07	0.00182	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.5E-08	7.6E-08	0.0E+00	0.0E+00	0.0E+00	9.1E-08
136	BKGN	259957.28	4022083.86	259957.28, 4	2.16037	0.68384	0.0027358	3.237E-07	0.00274	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.3E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
137	BKGN	260015.92	4022083.86	260015.92, 4	2.8022	0.79833	0.0035486	3.779E-07	0.00355	8.8E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.9E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
138	BKGN	260074.56	4022083.86	260074.56, 4	2.86486	0.99267	0.0036279	4.698E-07	0.00363	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
139	BKGN	260133.2	4022083.86	260133.2, 40	2.32321	1.15674	0.002942	5.475E-07	0.00294	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
140	BKGN	260191.84	4022083.86	260191.84, 4	1.63934	1.1128	0.002076	5.267E-07	0.00208	5.1E-07	1.6E-06	9.0E-07	8.1E-07	3.7E-07	1.7E-08	8.6E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
141	BKGN	260250.48	4022083.86	260250.48, 4	1.11094	0.92663	0.0014068	4.386E-07	0.00141	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	5.8E-08	0.0E+00	0.0E+00	0.0E+00	7.0E-08
142	BKGN	260309.12	4022083.86	260309.12, 4	0.7527	0.71664	0.0009532	3.392E-07	0.00095	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.9E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
143	BKGN	260367.76	4022083.86	260367.76, 4	0.52444	0.53927	0.0006641	2.552E-07	0.00066	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
144	BKGN	260426.4	4022083.86	260426.4, 40	0.37914	0.40503	0.0004801	1.917E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
145	BKGN	260485.04	4022083.86	260485.04, 4	0.28468	0.30779	0.0003605	1.457E-07	0.00036	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.4E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
146	BKGN	260543.68	4022083.86	260543.68, 4	0.22129	0.23867	0.0002802	1.13E-07	0.00028	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
147	BKGN	260602.32	4022083.86	260602.32, 4	0.17735	0.1895	0.0002246	8.969E-08	0.00022	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	9.3E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
148	BKGN	259429.52	4022127.38	259429.52, 4	0.22661	0.1852	0.000287	8.766E-08	0.00029	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
149	BKGN	259488.16	4022127.38	259488.16, 4	0.27434	0.21224	0.0003474	1.005E-07	0.00035	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
150	BKGN	259546.8	4022127.38	259546.8, 40	0.33906	0.24518	0.0004294	1.16E-07	0.00043	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
151	BKGN	259605.44	4022127.38	259605.44, 4	0.42894	0.28924	0.0005432	1.369E-07	0.00054	1.3E-07	4.1E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
152	BKGN	259664.08	4022127.38	259664.08, 4	0.55765	0.35021	0.0007062	1.658E-07	0.00071	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
153	BKGN	259722.72	4022127.38	259722.72, 4	0.7492	0.43156	0.0009488	2.043E-07	0.00095	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
154	BKGN	259781.36	4022127.38	259781.36, 4	1.04661	0.53096	0.0013254	2.513E-07	0.00133	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.1E-08	5.5E-08	0.0E+00	0.0E+00	0.0E+00	6.6E-08
155	BKGN	259840	4022127.38	259840, 402	1.52075	0.64253	0.0019258	3.041E-07	0.00193	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.6E-08	8.0E-08	0.0E+00	0.0E+00	0.0E+00	9.6E-08
156	BKGN	259898.64	4022127.38	259898.64, 4	2.47283	0.76702	0.0031315	3.63E-07	0.00313	7.7E-07	2.3E-06	1.4E-06	1.2E-06	5.6E-07	2.6E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
157	BKGN	259957.28	4022127.38	259957.28, 4	3.83874	0.90963	0.0048612	4.305E-07	0.00486	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.7E-07	4.0E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
158	BKGN	260015.92	4022127.38	260015.92, 4	4.56088	1.10315	0.0057757	5.221E-07	0.00578	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.8E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
159	BKGN	260074.56	4022127.38	260074.56, 4	3.99894	1.47403	0.0050641	6.977E-07	0.00506	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	4.2E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
160	BKGN	260133.2	4022127.38	260133.2, 40	2.72096	1.61656	0.0034457	7.651E-07	0.00345	8.5E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	2.8E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
161	BKGN	260191.84	4022127.38	260191.84, 4	1.69867	1.36779	0.0021511	6.474E-07	0.00215	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.8E-07	1.8E-08	8.9E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
162	BKGN	260250.48	4022127.38	260250.48, 4	1.07573	1.0292	0.0013623	4.871E-07	0.00136	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.1E-08	5.7E-08	0.0E+00	0.0E+00	0.0E+00	6.8E-08
163	BKGN	260309.12	4022127.38	260309.12, 4	0.70428	0.74263	0.0008919	3.515E-07	0.00089	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.4E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
164	BKGN	260367.76	4022127.38	260367.76, 4	0.48466	0.53399	0.0006138	2.527E-07	0.00061	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
165	BKGN	260426.4	4022127.38	260426.4, 40	0.34988	0.38973	0.0004431	1.845E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.7E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
166	BKGN	260485.04	4022127.38	260485.04, 4	0.2639	0.29186	0.0003342	1.381E-07	0.00033	8.3E-08	2.5E-07	1.4E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
167	BKGN	260543.68	4022127.38	260543.68, 4	0.20601	0.22509	0.0002609	1.065E-07	0.00026	6.5E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
168	BKGN	260602.32	4022127.38	260602.32, 4	0.16616	0.17884	0.0002104	8.465E-08	0.00021	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.7E-09	8.7E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
169	BKGN	259429.52	4022170.9	259429.52, 4	0.2474	0.21218	0.0003133	1.004E-07	0.00031	7.7E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
170	BKGN	259488.16	4022170.9	259488.16, 4	0.30552	0.24737	0.0003869	1.171E-07	0.00039	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
171	BKGN	259546.8	4022170.9	259546.8, 40	0.38814	0.29115	0.0004915	1.378E-07	0.00049	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.1E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
172	BKGN	259605.44	4022170.9	259605.44, 4	0.50971	0.35147	0.0006455	1.664E-07	0.00065	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
173	BKGN	259664.08	4022170.9	259664.08, 4	0.69724	0.43752	0.000883	2.071E-07	0.00088	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	7.3E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
174	BKGN	259722.72	4022170.9	259722.72, 4	1.00581	0.55295	0.0012737	2.617E-07	0.00127	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.1E-08	5.3E-08	0.0E+00	0.0E+00	0.0E+00	6.3E-08
175	BKGN	259781.36	4022170.9	259781.36, 4	1.55675	0.69058	0.0019714	3.269E-07	0.00197	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.6E-08	8.2E-08	0.0E+00	0.0E+00	0.0E+00	9.8E-08
176	BKGN	259840	4022170.9	259840, 402	2.63241	0.84455	0.0033336	3.997E-07	0.00333	8.2E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.8E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
177	BKGN	259898.64	4022170.9	259898.64, 4	5.2281	1.02808	0.0066206	4.866E-07	0.00662	1.6E-06	4.9E-06	2.9E-06	2.6E-06	1.2E-06	5.5E-08	2.8E-07	0.0E+00	0.0E+00	0.0E+00	3.3E-07
178	BKGN	259957.28	4022170.9	259957.28, 4	7.71478	1.27681	0.0097696	6.043E-07	0.00977	2.4E-06	7.3E-06	4.2E-06	3.8E-06	1.7E-06	8.1E-08	4.1E-07	0.0E+00	0.0E+00	0.0E+00	4.9E-07
179	BKGN	260015.92	4022170.9	260015.92, 4	7.87161	1.69283	0.0099682	8.012E-07	0.00997	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	8.2E-08	4.1E-07	0.0E+00	0.0E+00	0.0E+00	5.0E-07
180	BKGN	260074.56	4022170.9	260074.56, 4	5.29669	2.49275	0.0067075	1.18E-06	0.00671	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	5.5E-08	2.8E-07	0.0E+00	0.0E+00	0.0E+00	3.3E-07
181	BKGN	260133.2	4022170.9	260133.2, 40	2.92806	2.23603	0.003708	1.058E-06	0.00371	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.6E-07	3.1E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
182	BKGN	260191.84	4022170.9	260191.84, 4	1.64587	1.60147	0.0020843	7.58E-07	0.00209	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.7E-08	8.7E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
183	BKGN	260250.48	4022170.9	260250.48, 4	0.99398	1.09027	0.0012587	5.16E-07	0.00126	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.0E-08	5.2E-08	0.0E+00	0.0E+00	0.0E+00	6.3E-08
184	BKGN	260309.12	4022170.9	260309.12, 4	0.64055	0.73955	0.0008112	3.5E-07	0.00081	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
185	BKGN	260367.76	4022170.9	260367.76, 4	0.44035	0.51213	0.0005576	2.424E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
186	BKGN	260426.4	4022170.9	260426.4, 40	0.32002	0.36684	0.0004053	1.736E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
187	BKGN	260485.04	4022170.9	260485.04, 4	0.24305	0.273	0.0003078	1.292E-07	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08

188	BKGN	260543.68	4022170.9	260543.68, 4	0.19151	0.21089	0.0002425	9.982E-08	0.00024	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
189	BKGN	260602.32	4022170.9	260602.32, 4	0.15509	0.16837	0.0001964	7.969E-08	0.0002	4.9E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	8.2E-09	0.0E+00	0.0E+00	0.0E+00	9.8E-09
190	BKGN	259429.52	4022214.42	259429.52, 4	0.2656	0.24499	0.0003363	1.16E-07	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
191	BKGN	259488.16	4022214.42	259488.16, 4	0.33355	0.29153	0.0004224	1.38E-07	0.00042	1.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
192	BKGN	259546.8	4022214.42	259546.8, 40	0.43405	0.35101	0.0005497	1.661E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
193	BKGN	259605.44	4022214.42	259605.44, 4	0.59059	0.43609	0.0007479	2.064E-07	0.00075	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
194	BKGN	259664.08	4022214.42	259664.08, 4	0.85184	0.56099	0.0010787	2.655E-07	0.00108	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.9E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.4E-08
195	BKGN	259722.72	4022214.42	259722.72, 4	1.33836	0.72562	0.0016948	3.434E-07	0.0017	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.4E-08	7.0E-08	0.0E+00	0.0E+00	0.0E+00	8.4E-08
196	BKGN	259781.36	4022214.42	259781.36, 4	2.43243	0.91393	0.0030803	4.326E-07	0.00308	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.5E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
197	BKGN	259840	4022214.42	259840, 402	5.82943	1.12876	0.0073821	5.343E-07	0.00738	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	6.1E-08	3.1E-07	0.0E+00	0.0E+00	0.0E+00	3.7E-07
198	BKGN	259898.64	4022214.42	259898.64, 4	15.71201	1.42439	0.0198969	6.742E-07	0.0199	4.9E-06	1.5E-05	8.6E-06	7.8E-06	3.6E-06	1.6E-07	8.3E-07	0.0E+00	0.0E+00	0.0E+00	9.9E-07
199	BKGN	259957.28	4022214.42	259957.28, 4	19.15766	1.96478	0.0242603	9.3E-07	0.02426	6.0E-06	1.8E-05	1.0E-05	9.5E-06	4.3E-06	2.0E-07	1.0E-06	0.0E+00	0.0E+00	0.0E+00	1.2E-06
200	BKGN	260015.92	4022214.42	260015.92, 4	14.95236	3.40176	0.018935	1.61E-06	0.01894	4.7E-06	1.4E-05	8.2E-06	7.4E-06	3.4E-06	1.6E-07	7.9E-07	0.0E+00	0.0E+00	0.0E+00	9.4E-07
201	BKGN	260074.56	4022214.42	260074.56, 4	6.16481	4.66722	0.0078068	2.209E-06	0.00781	1.9E-06	5.8E-06	3.4E-06	3.1E-06	1.4E-06	6.4E-08	3.2E-07	0.0E+00	0.0E+00	0.0E+00	3.9E-07
202	BKGN	260133.2	4022214.42	260133.2, 40	2.84562	2.86572	0.0036036	1.356E-06	0.0036	8.9E-07	2.7E-06	1.6E-06	1.4E-06	6.4E-07	3.0E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
203	BKGN	260191.84	4022214.42	260191.84, 4	1.49265	1.75484	0.0018902	8.306E-07	0.00189	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	7.9E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
204	BKGN	260250.48	4022214.42	260250.48, 4	0.88286	1.09509	0.001118	5.183E-07	0.00112	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	9.2E-09	4.6E-08	0.0E+00	0.0E+00	0.0E+00	5.6E-08
205	BKGN	260309.12	4022214.42	260309.12, 4	0.57037	0.706	0.0007223	3.342E-07	0.00072	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	6.0E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
206	BKGN	260367.76	4022214.42	260367.76, 4	0.39623	0.47712	0.0005018	2.258E-07	0.0005	1.2E-07	3.7E-07	2.2E-07	2.0E-07	9.0E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
207	BKGN	260426.4	4022214.42	260426.4, 40	0.29143	0.33948	0.0003691	1.607E-07	0.00037	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
208	BKGN	260485.04	4022214.42	260485.04, 4	0.22357	0.25333	0.0002831	1.199E-07	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
209	BKGN	260543.68	4022214.42	260543.68, 4	0.17783	0.19699	0.0002252	9.324E-08	0.00023	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	9.4E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
210	BKGN	260602.32	4022214.42	260602.32, 4	0.14487	0.15839	0.0001835	7.497E-08	0.00018	4.5E-08	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.5E-09	7.6E-09	0.0E+00	0.0E+00	0.0E+00	9.1E-09
211	BKGN	259429.52	4022257.94	259429.52, 4	0.28077	0.28599	0.0003556	1.354E-07	0.00036	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
212	BKGN	259488.16	4022257.94	259488.16, 4	0.35729	0.3489	0.0004525	1.651E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
213	BKGN	259546.8	4022257.94	259546.8, 40	0.4736	0.43226	0.0005997	2.046E-07	0.0006	1.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	5.0E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
214	BKGN	259605.44	4022257.94	259605.44, 4	0.66241	0.55759	0.0008388	2.639E-07	0.00084	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
215	BKGN	259664.08	4022257.94	259664.08, 4	0.99822	0.74587	0.0012641	3.53E-07	0.00126	3.1E-07	9.4E-07	5.5E-07	5.0E-07	2.3E-07	1.0E-08	5.3E-08	0.0E+00	0.0E+00	0.0E+00	6.3E-08
216	BKGN	259722.72	4022257.94	259722.72, 4	1.69017	0.9798	0.0021404	4.638E-07	0.00214	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.8E-07	1.8E-08	8.9E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
217	BKGN	259781.36	4022257.94	259781.36, 4	3.62196	1.22882	0.0045867	5.816E-07	0.00459	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.2E-07	3.8E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
218	BKGN	259840	4022257.94	259840, 402	16.8233	1.52279	0.0213042	7.208E-07	0.0213	5.3E-06	1.6E-05	9.2E-06	8.3E-06	3.8E-06	1.8E-07	8.9E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
219	BKGN	259898.64	4022257.94	259898.64, 4	39.7856	2.00344	0.0503826	9.483E-07	0.05038	1.2E-05	3.8E-05	2.2E-05	2.0E-05	9.0E-06	4.2E-07	2.1E-06	0.0E+00	0.0E+00	0.0E+00	2.5E-06
220	BKGN	259957.28	4022257.94	259957.28, 4	40.80132	3.35532	0.0516688	1.588E-06	0.05167	1.3E-05	3.9E-05	2.2E-05	2.0E-05	9.2E-06	4.3E-07	2.1E-06	0.0E+00	0.0E+00	0.0E+00	2.6E-06
221	BKGN	260015.92	4022257.94	260015.92, 4	22.03132	11.97516	0.0278994	5.668E-06	0.02791	6.9E-06	2.1E-05	1.2E-05	1.1E-05	5.0E-06	2.3E-07	1.2E-06	0.0E+00	0.0E+00	0.0E+00	1.4E-06
222	BKGN	260074.56	4022257.94	260074.56, 4	6.01506	7.17063	0.0076172	3.394E-06	0.00762	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	6.3E-08	3.2E-07	0.0E+00	0.0E+00	0.0E+00	3.8E-07
223	BKGN	260133.2	4022257.94	260133.2, 40	2.51185	3.29621	0.0031809	1.56E-06	0.00318	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.6E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
224	BKGN	260191.84	4022257.94	260191.84, 4	1.28887	1.78945	0.0016322	8.47E-07	0.00163	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.3E-08	6.8E-08	0.0E+00	0.0E+00	0.0E+00	8.1E-08
225	BKGN	260250.48	4022257.94	260250.48, 4	0.76515	1.03942	0.0009689	4.92E-07	0.00097	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.8E-08
226	BKGN	260309.12	4022257.94	260309.12, 4	0.5028	0.64835	0.0006367	3.069E-07	0.00064	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	5.3E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
227	BKGN	260367.76	4022257.94	260367.76, 4	0.35543	0.43499	0.0004501	2.059E-07	0.00045	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
228	BKGN	260426.4	4022257.94	260426.4, 40	0.26508	0.31106	0.0003357	1.472E-07	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
229	BKGN	260485.04	4022257.94	260485.04, 4	0.20606	0.23427	0.0002609	1.109E-07	0.00026	6.5E-08	1.9E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
230	BKGN	260543.68	4022257.94	260543.68, 4	0.16524	0.1837	0.0002093	8.695E-08	0.00021	5.2E-08	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.7E-09	8.7E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
231	BKGN	260602.32	4022257.94	260602.32, 4	0.13594	0.14871	0.0001721	7.039E-08	0.00017	4.3E-08	1.3E-07	7.4E-08	6.7E-08	3.1E-08	1.4E-09	7.2E-09	0.0E+00	0.0E+00	0.0E+00	8.6E-09
232	BKGN	259429.52	4022301.46	259429.52, 4	0.29282	0.33883	0.0003708	1.604E-07	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	3.1E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
233	BKGN	259488.16	4022301.46	259488.16, 4	0.37614	0.42692	0.0004763	2.021E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
234	BKGN	259546.8	4022301.46	259546.8, 40	0.50503	0.54967	0.0006395	2.602E-07	0.00064	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	5.3E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
235	BKGN	259605.44	4022301.46	259605.44, 4	0.71949	0.74737	0.0009111	3.537E-07	0.00091	2.3E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	7.5E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.5E-08
236	BKGN	259664.08	4022301.46	259664.08, 4	1.11542	1.0445	0.0014125	4.944E-07	0.00141	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	5.9E-08	0.0E+00	0.0E+00	0.0E+00	7.0E-08
237	BKGN	259722.72	4022301.46	259722.72, 4	1.97463	1.37075	0.0025006	6.488E-07	0.0025	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	2.1E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.2E-07
238	BKGN	259781.36	4022301.46	259781.36, 4	4.49908	1.68737	0.0056974	7.987E-07	0.0057	1.4E-06	4.3E-06	2.5E-06	2.2E-06	1.0E-06	4.7E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
239	BKGN	259840	4022301.46	259840, 402	20.51201	2.07901	0.0259754	9.84E-07	0.02598	6.4E-06	1.9E-05	1.1E-05	1.0E-05	4.6E-06	2.1E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
240	BKGN	259898.64	4022301.46	259898.64, 4	41.12836	2.79168	0.052083	1.321E-06	0.05208	1.3E-05	3.9E-05	2.3E-05	2.0E-05	9.3E-06	4.3E-07	2.2E-06	0.0E+00	0.0E+00	0.0E+00	2.6E-06
241	BKGN	259957.28	4022301.46	259957.28, 4	41.95259	5.10911	0.0531268	2.418E-06	0.05313	1.3E-05	4.0E-05	2.3E-05	2.1E-05	9.5E-06	4.4E-07	2.2E-06	0.0E+00	0.0E+00	0.0E+00	2.6E-06
242	BKGN	260015.92	4022301.46	260015.92, 4	20.40743	18.92923	0.025843	8.959E-06	0.02585	6.4E-06	1.9E-05	1.1E-05	1.0E-05	4.6E-06	2.1E-07	1.1E-06	0.0E+00	0.0E+00	0.0E+00	1.3E-06
243	BKGN	260074.56	4022301.46	260074.56, 4	5.06239	8.54862	0.0064108	4.046E-06	0.00641	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.1E-06	5.3E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	3.2E-07
244	BKGN	260133.2	4022301.46	260133.2, 40	2.04876	3.4452	0.0025945	1.631E-06	0.0026	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.1E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
245	BKGN	260191.84	4022301.46	260191.84, 4	1.07404	1.68917	0.0013601	7.995E-07	0.00136	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.1E-08	5.7E-08	0.0E+00	0.0E+00	0.0E+00	6.8E-08
246	BKGN	260250.48	4022301.46	260250.48, 4	0.65735	0.93536	0.0008324	4.427E-07	0.00083	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.1E-08
247	BKGN	260309.12	4022301.46	260309.12, 4	0.44314	0.57893	0.0005612	2.74E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
248	BKGN	260367.76	4022301.46	260367.76, 4	0.31888	0.39185	0.0004038	1.855E-07	0.0004	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
249	BKGN	260426.4	4022301.46	260426.4, 40	0.24222	0.28372	0.0003067	1.343E-07	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
250	BKGN	260485.04	4022301.46	260485.04, 4	0.19056	0.21592	0.0002413	1.022E-07	0.00024	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
251	BKGN	260543.68	4022301.46	260543.68, 4	0.15433	0.17073	0.0001954	8.081E-08	0.0002	4.8E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	8.1E-09	0.0E+00	0.0E+00	0.0E+00	9.7E-09
252	BKGN	260602.32	4022301.46	260602.32, 4	0.12837	0.13909	0.0001626	6.583E-08	0.00016	4.0E-08	1.2E-07	7.0E-08	6.4E-08	2.9E-08	1.3E-09	6.8E-09	0.0E+00	0.0E+00	0.0E+00	8.1E-09
253	BKGN	259429.52	4022344.98	259429.52, 4	0.30187	0.40873	0.0003823	1.935E-07	0.00038	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.8E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
254	BKGN	259488.16	4022344.98	259488.16, 4	0.38939	0.53898	0.0004931	2.551E-07	0.00049	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.1E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
255	BKGN	259546.8	4022344.98	259546.8, 40	0.52568	0.73497	0.0006657	3.479E-07	0.00067	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
256	BKGN	259605.44	4022344.98	259605.44, 4	0.75417	1.08256	0.000955	5.124E-07	0.00096	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.9E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.8E-08
257	BKGN	259664.08	4022344.98	259664.08, 4	1.17879	1.57025	0.0014928	7.432E-07	0.00149	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.2E-08	6.2E-08	0.0E+00	0.0E+00	0.0E+00	7.4E-08
258	BKGN	259722.72	4022344.98	259722.72, 4	2.09918	2.00381	0.0026583	9.484E-07	0.00266	6.6E-07	2.0E-06	1.1E-06	1.0E-06	4.8E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
259	BKGN	259781.36	4022344.98	259781.36, 4	4.73409	2.3981	0.005995	1.135E-06	0.006	1.5E-06	4.5E-06	2.6E-06	2.3E-06	1.1E-06	5.0E-08	2.5E-07	0.0E+00	0.0E+00	0.0E+00	3.0E-07
260	BKGN	259840	4022344.98	259840, 402	17.66455	2.93667	0.0223695	1.39E-06	0.02237	5.5E-06	1.7E-05	9.7E-06	8.8E-06	4.0E-06	1.8E-07	9.3E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
261	BKGN	259898.64	4022344.98	259898.64, 4	38.34814	3.9204	0.0485623	1.856E-06	0.04856	1.2E-05	3.6E-05	2.1E-05	1.9E-05	8.7E-06	4.0E-07	2.0E-06	0.0E+00	0.0E+00	0.0E+00	2.4E-06
262	BKGN	259957.28	4022344.98	259957.28, 4	38.64298	6.68895	0.0489356	3.166E-06	0.04894	1.2E-05	3.7E-05	2.1E-05	1.9E-05	8.7E-06	4.0E-07	2.0E-06	0.0E+00	0.0E+00	0.0E+00	2.4E-06
263	BKGN	260015.92	4022344.98	260015.92, 4	16.06252	20.96963	0.0203408	9.925E-06	0.02035	5.0E-06	1.5E-05	8.8E-06	8.0E-06	3.6E-06	1.7E-07	8.5E-07	0.0E+00	0.0E+00	0.0E+00	1.0E-06
264	BKGN	260074.56	4022344.98	260074.56, 4	3.67624	9.23124	0.0046554	4.369E-06	0.00466	1.2E-06	3.5E-06	2.0E-06	1.8E-06	8.3E-07	3.8E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
265	BKGN	260133.2	4022344.98	260133.2, 40	1.59206	3.24713	0.0020161	1.537E-06	0.00202	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.7E-08	8.4E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
266	BKGN	260191.84	4022344.98	260191.84, 4	0.88372	1.47089	0.0011191	6.962E-07	0.00112	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	9.2E-09	4.7E-08	0.0E+00	0.0E+00	0.0E+00	5.6E-08
267	BKGN	260250.48	4022344.98	260250.48, 4	0.56373	0.80812	0.0007139	3.825E-07	0.00071	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.9E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
268	BKGN	260309.12	4022344.98	260309.12, 4	0.39158	0.50856	0.0004959	2.407E-07	0.0005	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.9E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
269	BKGN	260367.76	4022344.98	260367.76, 4	0.28925	0.35062	0.0003663	1.66E-07	0.00037	9.1E-08	2.7E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
270	BKGN	260426.4	4022344.98	260426.4, 40	0.22287	0.25755	0.0002822	1.219E-07	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
271	BKGN	260485.04	4022344.98	260485.04, 4	0.17733	0.19826	0.0002246	9.384E-08	0.00022	5.6E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	9.3E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
272	BKGN	260543.68	4022344.98	260543.68, 4	0.14543	0.15823	0.0001842	7.489E-08	0.00018	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	7.7E-09	0.0E+00	0.0E+00	0.0E+00	9.2E-09
273	BKGN	260602.32	4022344.98	260602.32, 4	0.12165	0.12992	0.0001541	6.149E-08	0.00015	3.8E-08	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.3E-09	6.4E-09	0.0E+00	0.0E+00	0.0E+00	7.7E-09
274	BKGN	259429.52	4022388.5	259429.52, 4	0.30812	0.50313	0.0003902	2.381E-07	0.00039	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
275	BKGN	259488.16	4022388.5	259488.16, 4	0.39729	0.71237	0.0005031	3.372E-07	0.0005	1.2E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
276	BKGN	259546.8	4022388.5	259546.8, 40	0.53521	1.0702	0.0006778	5.065E-07	0.00068	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
277	BKGN	259605.44	4022388.5	259605.44, 4	0.76299	1.78962	0.0009662	8.471E-07	0.00097	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.8E-08
278	BKGN	259664.08	4022388.5	259664.08, 4	1.17401	2.58208	0.0014867	1.222E-06	0.00149	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.2E-08	6.2E-08	0.0E+00	0.0E+00	0.0E+00	7.4E-08
279	BKGN	259722.72	4022388.5	259722.72, 4	2.02453	3.10191	0.0025638	1.468E-06	0.00257	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.1E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
280	BKGN	259781.36	4022388.5	259781.36, 4	4.33576	3.6368	0.0054906	1.721E-06	0.00549	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.8E-07	4.5E-08	2.3E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
281	BKGN	259840	4022388.5	259840, 402	17.26598	4.53692	0.0218648	2.147E-06	0.02187	5.4E-06	1.6E-05	9.5E-06	8.6E-06	3.9E-06	1.8E-07	9.1E-07	0.0E+00	0.0E+00	0.0E+00	1.1E-06
282	BKGN	259898.64	4022388.5	259898.64, 4	28.61886	6.04241	0.0362416	2.86E-06	0.03624	9.0E-06	2.7E-05	1.6E-05	1.4E-05	6.5E-06	3.0E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.8E-06
283	BKGN	259957.28	4022388.5	259957.28, 4	28.40976	9.01031	0.0359768	4.265E-06	0.03598	8.9E-06	2.7E-05	1.6E-05	1.4E-05	6.4E-06	3.0E-07	1.5E-06	0.0E+00	0.0E+00	0.0E+00	1.8E-06
284	BKGN	260015.92	4022388.5	260015.92, 4	8.92687	22.66873	0.0113046	1.073E-05	0.01132	2.8E-06	8.4E-06	4.9E-06	4.4E-06	2.0E-06	9.3E-08	4.7E-07	0.0E+00	0.0E+00	0.0E+00	5.6E-07
285	BKGN	260074.56	4022388.5	260074.56, 4	2.43413	8.95589	0.0030825	4.239E-06	0.00309	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.5E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07

286	BKGN	260133.2	4022388.5	260133.2, 4(	1.23131	2.66854	0.0015593	1.263E-06	0.00156	3.9E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.3E-08	6.5E-08	0.0E+00	0.0E+00	0.0E+00	7.8E-08
287	BKGN	260191.84	4022388.5	260191.84, 4	0.73005	1.20114	0.0009245	5.685E-07	0.00093	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
288	BKGN	260250.48	4022388.5	260250.48, 4	0.48501	0.68165	0.0006142	3.226E-07	0.00061	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
289	BKGN	260309.12	4022388.5	260309.12, 4	0.34715	0.44189	0.0004396	2.092E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
290	BKGN	260367.76	4022388.5	260367.76, 4	0.26188	0.31173	0.0003316	1.475E-07	0.00033	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
291	BKGN	260426.4	4022388.5	260426.4, 4(	0.20501	0.23317	0.0002596	1.104E-07	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
292	BKGN	260485.04	4022388.5	260485.04, 4	0.16601	0.18212	0.0002102	8.62E-08	0.00021	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.7E-09	8.7E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
293	BKGN	260543.68	4022388.5	260543.68, 4	0.13727	0.14706	0.0001738	6.961E-08	0.00017	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	7.2E-09	0.0E+00	0.0E+00	0.0E+00	8.7E-09
294	BKGN	260602.32	4022388.5	260602.32, 4	0.11606	0.12192	0.000147	5.771E-08	0.00015	3.6E-08	1.1E-07	6.4E-08	5.8E-08	2.6E-08	1.2E-09	6.1E-09	0.0E+00	0.0E+00	0.0E+00	7.3E-09
295	BKGN	259429.52	4022432.02	259429.52, 4	0.31126	0.62888	0.0003942	2.977E-07	0.00039	9.8E-08	2.9E-07	1.7E-07	1.5E-07	7.1E-08	3.3E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
296	BKGN	259488.16	4022432.02	259488.16, 4	0.39933	1.01008	0.0005057	4.781E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
297	BKGN	259546.8	4022432.02	259546.8, 4(	0.53246	1.84685	0.0006743	8.741E-07	0.00068	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
298	BKGN	259605.44	4022432.02	259605.44, 4	0.74422	3.69264	0.0009424	1.748E-06	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
299	BKGN	259664.08	4022432.02	259664.08, 4	1.10589	4.74273	0.0014004	2.245E-06	0.0014	3.5E-07	1.0E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	5.8E-08	0.0E+00	0.0E+00	0.0E+00	7.0E-08
300	BKGN	259722.72	4022432.02	259722.72, 4	1.79467	5.2861	0.0022727	2.502E-06	0.00228	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.9E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
301	BKGN	259781.36	4022432.02	259781.36, 4	3.38069	6.34077	0.0042811	3.001E-06	0.00428	1.1E-06	3.2E-06	1.9E-06	1.7E-06	7.7E-07	3.5E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
302	BKGN	259840	4022432.02	259840, 402	7.96308	8.70051	0.0100841	4.118E-06	0.01009	2.5E-06	7.5E-06	4.4E-06	4.0E-06	1.8E-06	8.3E-08	4.2E-07	0.0E+00	0.0E+00	0.0E+00	5.0E-07
303	BKGN	259898.64	4022432.02	259898.64, 4	10.73036	12.57777	0.0135884	5.953E-06	0.01359	3.4E-06	1.0E-05	5.9E-06	5.3E-06	2.4E-06	1.1E-07	5.6E-07	0.0E+00	0.0E+00	0.0E+00	6.8E-07
304	BKGN	259957.28	4022432.02	259957.28, 4	9.02889	16.52075	0.0114338	7.82E-06	0.01144	2.8E-06	8.5E-06	4.9E-06	4.5E-06	2.0E-06	9.4E-08	4.8E-07	0.0E+00	0.0E+00	0.0E+00	5.7E-07
305	BKGN	260015.92	4022432.02	260015.92, 4	3.71434	25.15126	0.0047037	1.19E-05	0.00472	1.2E-06	3.5E-06	2.0E-06	1.8E-06	8.4E-07	3.9E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
306	BKGN	260074.56	4022432.02	260074.56, 4	1.64766	6.46826	0.0020865	3.062E-06	0.00209	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.7E-08	8.7E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
307	BKGN	260133.2	4022432.02	260133.2, 4(	0.96849	1.94209	0.0012264	9.192E-07	0.00123	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	5.1E-08	0.0E+00	0.0E+00	0.0E+00	6.1E-08
308	BKGN	260191.84	4022432.02	260191.84, 4	0.61204	0.95262	0.0007751	4.509E-07	0.00078	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
309	BKGN	260250.48	4022432.02	260250.48, 4	0.42033	0.57169	0.0005323	2.706E-07	0.00053	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
310	BKGN	260309.12	4022432.02	260309.12, 4	0.30762	0.3841	0.0003896	1.818E-07	0.00039	9.6E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
311	BKGN	260367.76	4022432.02	260367.76, 4	0.23625	0.27796	0.0002992	1.316E-07	0.0003	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
312	BKGN	260426.4	4022432.02	260426.4, 4(	0.18825	0.21204	0.0002384	1.004E-07	0.00024	5.9E-08	1.8E-07	1.0E-07	9.3E-08	4.3E-08	2.0E-09	9.9E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
313	BKGN	260485.04	4022432.02	260485.04, 4	0.15445	0.16821	0.0001956	7.962E-08	0.0002	4.8E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	8.1E-09	0.0E+00	0.0E+00	0.0E+00	9.7E-09
314	BKGN	260543.68	4022432.02	260543.68, 4	0.12919	0.13754	0.0001636	6.51E-08	0.00016	4.0E-08	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.4E-09	6.8E-09	0.0E+00	0.0E+00	0.0E+00	8.2E-09
315	BKGN	260602.32	4022432.02	260602.32, 4	0.11021	0.11516	0.0001396	5.451E-08	0.00014	3.5E-08	1.0E-07	6.0E-08	5.5E-08	2.5E-08	1.2E-09	5.8E-09	0.0E+00	0.0E+00	0.0E+00	7.0E-09
316	BKGN	259429.52	4022475.54	259429.52, 4	0.3101	0.76997	0.0003927	3.644E-07	0.00039	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
317	BKGN	259488.16	4022475.54	259488.16, 4	0.3938	1.55765	0.0004987	7.373E-07	0.0005	1.2E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
318	BKGN	259546.8	4022475.54	259546.8, 4(	0.51519	4.93493	0.0006524	2.336E-06	0.00065	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
319	BKGN	259605.44	4022475.54	259605.44, 4	0.69876	10.3755	0.0008849	4.911E-06	0.00089	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	7.3E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
320	BKGN	259664.08	4022475.54	259664.08, 4	0.9914	10.57354	0.0012555	5.005E-06	0.00126	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.0E-08	5.2E-08	0.0E+00	0.0E+00	0.0E+00	6.3E-08
321	BKGN	259722.72	4022475.54	259722.72, 4	1.49057	11.24033	0.0018876	5.32E-06	0.00189	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	7.9E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
322	BKGN	259781.36	4022475.54	259781.36, 4	2.4024	15.65973	0.0030423	7.412E-06	0.00305	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.5E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
323	BKGN	259840	4022475.54	259840, 402	3.75996	30.32279	0.0047614	1.435E-05	0.00478	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.5E-07	3.9E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
324	BKGN	259898.64	4022475.54	259898.64, 4	4.25058	21.61692	0.0053827	1.023E-05	0.00539	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.6E-07	4.5E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
325	BKGN	259957.28	4022475.54	259957.28, 4	3.47994	23.52871	0.0044068	1.114E-05	0.00442	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.6E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
326	BKGN	260015.92	4022475.54	260015.92, 4	2.02509	18.81483	0.0025645	8.905E-06	0.00257	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.1E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
327	BKGN	260074.56	4022475.54	260074.56, 4	1.1631	3.41297	0.0014729	1.615E-06	0.00147	3.6E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.2E-08	6.1E-08	0.0E+00	0.0E+00	0.0E+00	7.3E-08
328	BKGN	260133.2	4022475.54	260133.2, 4(	0.77513	1.38611	0.0009816	6.561E-07	0.00098	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	8.1E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
329	BKGN	260191.84	4022475.54	260191.84, 4	0.51775	0.76213	0.0006557	3.607E-07	0.00066	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
330	BKGN	260250.48	4022475.54	260250.48, 4	0.36822	0.48549	0.0004663	2.298E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.9E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
331	BKGN	260309.12	4022475.54	260309.12, 4	0.27481	0.33809	0.000348	1.6E-07	0.00035	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
332	BKGN	260367.76	4022475.54	260367.76, 4	0.21372	0.25038	0.0002706	1.185E-07	0.00027	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
333	BKGN	260426.4	4022475.54	260426.4, 4(	0.17199	0.19419	0.0002178	9.191E-08	0.00022	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	9.1E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
334	BKGN	260485.04	4022475.54	260485.04, 4	0.14265	0.15609	0.0001806	7.388E-08	0.00018	4.5E-08	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	7.5E-09	0.0E+00	0.0E+00	0.0E+00	9.0E-09
335	BKGN	260543.68	4022475.54	260543.68, 4	0.1207	0.12902	0.0001528	6.107E-08	0.00015	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.3E-09	6.4E-09	0.0E+00	0.0E+00	0.0E+00	7.6E-09
336	BKGN	260602.32	4022475.54	260602.32, 4	0.10394	0.10901	0.0001316	5.16E-08	0.00013	3.3E-08	9.8E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	5.5E-09	0.0E+00	0.0E+00	0.0E+00	6.6E-09
337	BKGN	259429.52	4022519.06	259429.52, 4	0.30501	0.8628	0.0003863	4.084E-07	0.00039	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
338	BKGN	259488.16	4022519.06	259488.16, 4	0.37961	2.10169	0.0004807	9.948E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
339	BKGN	259546.8	4022519.06	259546.8, 4(	0.48321	8.74251	0.0006119	4.138E-06	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
340	BKGN	259605.44	4022519.06	259605.44, 4	0.63119	12.61987	0.0007993	5.973E-06	0.00081	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.6E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
341	BKGN	259664.08	4022519.06	259664.08, 4	0.85085	18.95924	0.0010775	8.974E-06	0.00109	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	9.0E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.4E-08
342	BKGN	259722.72	4022519.06	259722.72, 4	1.1865	15.64906	0.0015025	7.407E-06	0.00151	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.2E-08	6.3E-08	0.0E+00	0.0E+00	0.0E+00	7.5E-08
343	BKGN	259781.36	4022519.06	259781.36, 4	1.70038	24.14417	0.0021533	1.143E-05	0.00216	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.8E-08	9.0E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
344	BKGN	259840	4022519.06	259840, 402	2.25584	12.27134	0.0028567	5.808E-06	0.00286	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
345	BKGN	259898.64	4022519.06	259898.64, 4	2.43178	7.70094	0.0030795	3.645E-06	0.00308	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.5E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
346	BKGN	259957.28	4022519.06	259957.28, 4	2.05918	5.99043	0.0026076	2.835E-06	0.00261	6.5E-07	1.9E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
347	BKGN	260015.92	4022519.06	260015.92, 4	1.38613	4.45166	0.0017553	2.107E-06	0.00176	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.5E-08	7.3E-08	0.0E+00	0.0E+00	0.0E+00	8.8E-08
348	BKGN	260074.56	4022519.06	260074.56, 4	0.84283	1.91337	0.0010673	9.056E-07	0.00107	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	4.4E-08	0.0E+00	0.0E+00	0.0E+00	5.3E-08
349	BKGN	260133.2	4022519.06	260133.2, 4(	0.62284	1.02854	0.0007887	4.868E-07	0.00079	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
350	BKGN	260191.84	4022519.06	260191.84, 4	0.44202	0.62184	0.0005598	2.943E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
351	BKGN	260250.48	4022519.06	260250.48, 4	0.32449	0.41754	0.0004109	1.976E-07	0.00041	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
352	BKGN	260309.12	4022519.06	260309.12, 4	0.24713	0.30059	0.000313	1.423E-07	0.00031	7.7E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
353	BKGN	260367.76	4022519.06	260367.76, 4	0.19422	0.22749	0.000246	1.077E-07	0.00025	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
354	BKGN	260426.4	4022519.06	260426.4, 4(	0.1575	0.17901	0.0001995	8.473E-08	0.0002	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.6E-09	8.3E-09	0.0E+00	0.0E+00	0.0E+00	9.9E-09
355	BKGN	260485.04	4022519.06	260485.04, 4	0.13135	0.1454	0.0001663	6.882E-08	0.00017	4.1E-08	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.4E-09	6.9E-09	0.0E+00	0.0E+00	0.0E+00	8.3E-09
356	BKGN	260543.68	4022519.06	260543.68, 4	0.11176	0.12123	0.0001415	5.738E-08	0.00014	3.5E-08	1.1E-07	6.1E-08	5.5E-08	2.5E-08	1.2E-09	5.9E-09	0.0E+00	0.0E+00	0.0E+00	7.1E-09
357	BKGN	260602.32	4022519.06	260602.32, 4	0.09695	0.10321	0.0001228	4.885E-08	0.00012	3.0E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.0E-09	5.1E-09	0.0E+00	0.0E+00	0.0E+00	6.1E-09
358	BKGN	259429.52	4022562.58	259429.52, 4	0.29429	0.87018	0.0003727	4.119E-07	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
359	BKGN	259488.16	4022562.58	259488.16, 4	0.35891	1.82041	0.0004545	8.616E-07	0.00046	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
360	BKGN	259546.8	4022562.58	259546.8, 4(	0.44503	4.63304	0.0005636	2.193E-06	0.00057	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
361	BKGN	259605.44	4022562.58	259605.44, 4	0.56195	6.8481	0.0007116	3.241E-06	0.00071	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.9E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
362	BKGN	259664.08	4022562.58	259664.08, 4	0.72324	7.948	0.0009159	3.762E-06	0.00092	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
363	BKGN	259722.72	4022562.58	259722.72, 4	0.9491	7.75145	0.0012019	3.669E-06	0.00121	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.0E-08	5.0E-08	0.0E+00	0.0E+00	0.0E+00	6.0E-08
364	BKGN	259781.36	4022562.58	259781.36, 4	1.23934	6.03733	0.0015694	2.858E-06	0.00157	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.3E-08	6.5E-08	0.0E+00	0.0E+00	0.0E+00	7.8E-08
365	BKGN	259840	4022562.58	259840, 402	1.48221	4.50133	0.001877	2.131E-06	0.00188	4.6E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.6E-08	7.8E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
366	BKGN	259898.64	4022562.58	259898.64, 4	1.51869	3.58946	0.0019232	1.699E-06	0.00192	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.6E-08	8.0E-08	0.0E+00	0.0E+00	0.0E+00	9.6E-08
367	BKGN	259957.28	4022562.58	259957.28, 4	1.31156	3.00114	0.0016609	1.42E-06	0.00166	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.4E-08	6.9E-08	0.0E+00	0.0E+00	0.0E+00	8.3E-08
368	BKGN	260015.92	4022562.58	260015.92, 4	0.97533	2.17781	0.0012351	1.031E-06	0.00124	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	5.1E-08	0.0E+00	0.0E+00	0.0E+00	6.2E-08
369	BKGN	260074.56	4022562.58	260074.56, 4	0.68341	1.28859	0.0008654	6.099E-07	0.00087	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.5E-07	7.2E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.3E-08
370	BKGN	260133.2	4022562.58	260133.2, 4(	0.50573	0.78483	0.0006404	3.715E-07	0.00064	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	5.3E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
371	BKGN	260191.84	4022562.58	260191.84, 4	0.3797	0.51367	0.0004808	2.431E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
372	BKGN	260250.48	4022562.58	260250.48, 4	0.28825	0.36093	0.000365	1.708E-07	0.00037	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
373	BKGN	260309.12	4022562.58	260309.12, 4	0.22432	0.26797	0.0002841	1.268E-07	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
374	BKGN	260367.76	4022562.58	260367.76, 4	0.17861	0.20737	0.0002262	9.815E-08	0.00023	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.0E-08	1.9E-09	9.4E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
375	BKGN	260426.4	4022562.58	260426.4, 4(	0.14569	0.16572	0.0001845	7.844E-08	0.00018	4.6E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	7.7E-09	0.0E+00	0.0E+00	0.0E+00	9.2E-09
376	BKGN	260485.04	4022562.58	260485.04, 4	0.12175	0.13603	0.0001542	6.438E-08	0.00015	3.8E-08	1.2E-07	6.7E-08	6.0E-08	2.8E-08	1.3E-09	6.4E-09	0.0E+00	0.0E+00	0.0E+00	7.7E-09
377	BKGN	260543.68	4022562.58	260543.68, 4	0.10359	0.11428	0.0001312	5.409E-08	0.00013	3.2E-08	9.8E-08	5.7E-08	5.1E-08	2.3E-08	1.1E-09	5.5E-09	0.0E+00	0.0E+00	0.0E+00	6.5E-09
378	BKGN	260602.32	4022562.58	260602.32, 4	0.09021	0.0979	0.0001142	4.634E-08	0.00011	2.8E-08	8.5E-08	4.9E-08	4.5E-08	2.0E-08	9.4E-10	4.7E-09	0.0E+00	0.0E+00	0.0E+00	5.7E-09
379	BKGN	259429.52	4022606.1	259429.52, 4	0.27872	0.79302	0.000353	3.753E-07	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
380	BKGN	259488.16	4022606.1	259488.16, 4	0.3323	1.35128	0.0004208	6.396E-07	0.00042	1.0E-07	3.1E-07	1.8E-07	1.7E-07	7.5E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
381	BKGN	259546.8	4022606.1	259546.8, 4(	0.40107	2.27666	0.0005079	1.078E-06	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
382	BKGN	259605.44	4022606.1	259605.44, 4	0.49061	2.99659	0.0006213	1.418E-06	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
383	BKGN	259664.08	4022606.1	259664.08, 4	0.60923	3.34072	0.0007715	1.581E-06	0.00077	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08

384	BKGN	259722.72	4022606.1	259722.72, 4	0.76588	3.28513	0.0009699	1.555E-06	0.00097	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.8E-08
385	BKGN	259781.36	4022606.1	259781.36, 4	0.94524	2.89602	0.001197	1.371E-06	0.0012	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.9E-09	5.0E-08	0.0E+00	0.0E+00	0.0E+00	6.0E-08
386	BKGN	259840	4022606.1	259840, 402	1.06489	2.45311	0.0013485	1.161E-06	0.00135	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.1E-08	5.6E-08	0.0E+00	0.0E+00	0.0E+00	6.7E-08
387	BKGN	259898.64	4022606.1	259898.64, 4	1.05383	2.10219	0.0013345	9.95E-07	0.00134	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.1E-08	5.5E-08	0.0E+00	0.0E+00	0.0E+00	6.7E-08
388	BKGN	259957.28	4022606.1	259957.28, 4	0.90831	1.78404	0.0011502	8.444E-07	0.00115	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	9.5E-09	4.8E-08	0.0E+00	0.0E+00	0.0E+00	5.7E-08
389	BKGN	260015.92	4022606.1	260015.92, 4	0.72255	1.338	0.000915	6.333E-07	0.00092	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
390	BKGN	260074.56	4022606.1	260074.56, 4	0.54685	0.91088	0.0006925	4.311E-07	0.00069	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
391	BKGN	260133.2	4022606.1	260133.2, 40	0.42428	0.6155	0.0005373	2.913E-07	0.00054	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
392	BKGN	260191.84	4022606.1	260191.84, 4	0.32472	0.43007	0.0004112	2.036E-07	0.00041	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
393	BKGN	260250.48	4022606.1	260250.48, 4	0.25481	0.31429	0.0003227	1.488E-07	0.00032	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
394	BKGN	260309.12	4022606.1	260309.12, 4	0.20382	0.23937	0.0002581	1.133E-07	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
395	BKGN	260367.76	4022606.1	260367.76, 4	0.16565	0.1889	0.0002098	8.941E-08	0.00021	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.7E-09	8.7E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
396	BKGN	260426.4	4022606.1	260426.4, 40	0.13654	0.15336	0.0001729	7.259E-08	0.00017	4.3E-08	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	7.2E-09	0.0E+00	0.0E+00	0.0E+00	8.6E-09
397	BKGN	260485.04	4022606.1	260485.04, 4	0.11424	0.12739	0.0001447	6.03E-08	0.00014	3.6E-08	1.1E-07	6.3E-08	5.7E-08	2.6E-08	1.2E-09	6.0E-09	0.0E+00	0.0E+00	0.0E+00	7.2E-09
398	BKGN	260543.68	4022606.1	260543.68, 4	0.09739	0.10791	0.0001233	5.108E-08	0.00012	3.1E-08	9.2E-08	5.3E-08	4.8E-08	2.2E-08	1.0E-09	5.1E-09	0.0E+00	0.0E+00	0.0E+00	6.1E-09
399	BKGN	260602.32	4022606.1	260602.32, 4	0.08457	0.09302	0.0001071	4.403E-08	0.00011	2.6E-08	8.0E-08	4.6E-08	4.2E-08	1.9E-08	8.8E-10	4.5E-09	0.0E+00	0.0E+00	0.0E+00	5.3E-09
400	BKGN	259429.52	4022649.62	259429.52, 4	0.25974	0.68529	0.0003289	3.244E-07	0.00033	8.1E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
401	BKGN	259488.16	4022649.62	259488.16, 4	0.30332	1.01528	0.0003841	4.805E-07	0.00038	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
402	BKGN	259546.8	4022649.62	259546.8, 40	0.35789	1.43091	0.0004532	6.773E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
403	BKGN	259605.44	4022649.62	259605.44, 4	0.42674	1.75251	0.0005404	8.295E-07	0.00054	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
404	BKGN	259664.08	4022649.62	259664.08, 4	0.51491	1.91171	0.0006521	9.048E-07	0.00065	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
405	BKGN	259722.72	4022649.62	259722.72, 4	0.62446	1.90229	0.0007908	9.004E-07	0.00079	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	6.5E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
406	BKGN	259781.36	4022649.62	259781.36, 4	0.73509	1.76175	0.0009309	8.339E-07	0.00093	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	7.7E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
407	BKGN	259840	4022649.62	259840, 402	0.7917	1.575	0.0010026	7.455E-07	0.001	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	8.3E-09	4.2E-08	0.0E+00	0.0E+00	0.0E+00	5.0E-08
408	BKGN	259898.64	4022649.62	259898.64, 4	0.77155	1.39301	0.0009771	6.593E-07	0.00098	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	8.1E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
409	BKGN	259957.28	4022649.62	259957.28, 4	0.67922	1.18597	0.0008601	5.613E-07	0.00086	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	7.1E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.3E-08
410	BKGN	260015.92	4022649.62	260015.92, 4	0.5419	0.90507	0.0006862	4.284E-07	0.00069	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
411	BKGN	260074.56	4022649.62	260074.56, 4	0.4345	0.67027	0.0005502	3.172E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
412	BKGN	260133.2	4022649.62	260133.2, 40	0.3565	0.49268	0.0004515	2.332E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
413	BKGN	260191.84	4022649.62	260191.84, 4	0.28263	0.36315	0.0003579	1.719E-07	0.00036	8.9E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
414	BKGN	260250.48	4022649.62	260250.48, 4	0.22663	0.27543	0.000287	1.304E-07	0.00029	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
415	BKGN	260309.12	4022649.62	260309.12, 4	0.18461	0.21476	0.0002338	1.016E-07	0.00023	5.8E-08	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	9.7E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
416	BKGN	260367.76	4022649.62	260367.76, 4	0.15282	0.17226	0.0001935	8.153E-08	0.00019	4.8E-08	1.4E-07	8.4E-08	7.6E-08	3.5E-08	1.6E-09	8.0E-09	0.0E+00	0.0E+00	0.0E+00	9.6E-09
417	BKGN	260426.4	4022649.62	260426.4, 40	0.12796	0.14179	0.000162	6.711E-08	0.00016	4.0E-08	1.2E-07	7.0E-08	6.4E-08	2.9E-08	1.3E-09	6.7E-09	0.0E+00	0.0E+00	0.0E+00	8.1E-09
418	BKGN	260485.04	4022649.62	260485.04, 4	0.10807	0.11911	0.0001369	5.638E-08	0.00014	3.4E-08	1.0E-07	5.9E-08	5.4E-08	2.4E-08	1.1E-09	5.7E-09	0.0E+00	0.0E+00	0.0E+00	6.8E-09
419	BKGN	260543.68	4022649.62	260543.68, 4	0.09238	0.1018	0.000117	4.818E-08	0.00012	2.9E-08	8.7E-08	5.1E-08	4.6E-08	2.1E-08	9.7E-10	4.9E-09	0.0E+00	0.0E+00	0.0E+00	5.8E-09
420	BKGN	260602.32	4022649.62	260602.32, 4	0.08018	0.08834	0.0001015	4.181E-08	0.0001	2.5E-08	7.6E-08	4.4E-08	4.0E-08	1.8E-08	8.4E-10	4.2E-09	0.0E+00	0.0E+00	0.0E+00	5.1E-09
421	BKGN	259429.52	4022693.14	259429.52, 4	0.2395	0.58295	0.0003033	2.759E-07	0.0003	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
422	BKGN	259488.16	4022693.14	259488.16, 4	0.27511	0.78595	0.0003484	3.72E-07	0.00035	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
423	BKGN	259546.8	4022693.14	259546.8, 40	0.31857	1.00569	0.0004034	4.76E-07	0.0004	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
424	BKGN	259605.44	4022693.14	259605.44, 4	0.37214	1.1745	0.0004713	5.559E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
425	BKGN	259664.08	4022693.14	259664.08, 4	0.43876	1.26218	0.0005556	5.974E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	9.9E-08	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
426	BKGN	259722.72	4022693.14	259722.72, 4	0.51649	1.26476	0.0006541	5.986E-07	0.00065	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
427	BKGN	259781.36	4022693.14	259781.36, 4	0.58604	1.20135	0.0007421	5.686E-07	0.00074	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
428	BKGN	259840	4022693.14	259840, 402	0.61105	1.10567	0.0007738	5.233E-07	0.00077	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
429	BKGN	259898.64	4022693.14	259898.64, 4	0.58804	0.99445	0.0007447	4.707E-07	0.00075	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
430	BKGN	259957.28	4022693.14	259957.28, 4	0.52495	0.85119	0.0006648	4.029E-07	0.00067	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
431	BKGN	260015.92	4022693.14	260015.92, 4	0.43869	0.67635	0.0005555	3.201E-07	0.00056	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
432	BKGN	260074.56	4022693.14	260074.56, 4	0.35636	0.51794	0.0004513	2.451E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
433	BKGN	260133.2	4022693.14	260133.2, 40	0.29783	0.40243	0.0003772	1.905E-07	0.00038	9.3E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
434	BKGN	260191.84	4022693.14	260191.84, 4	0.24647	0.30914	0.0003121	1.463E-07	0.00031	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
435	BKGN	260250.48	4022693.14	260250.48, 4	0.20275	0.24204	0.0002568	1.146E-07	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
436	BKGN	260309.12	4022693.14	260309.12, 4	0.16808	0.19344	0.0002128	9.156E-08	0.00021	5.3E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.8E-09	8.8E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
437	BKGN	260367.76	4022693.14	260367.76, 4	0.14205	0.15779	0.0001799	7.468E-08	0.00018	4.4E-08	1.3E-07	7.8E-08	7.1E-08	3.2E-08	1.5E-09	7.5E-09	0.0E+00	0.0E+00	0.0E+00	9.0E-09
438	BKGN	260426.4	4022693.14	260426.4, 40	0.1209	0.13137	0.0001531	6.218E-08	0.00015	3.8E-08	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.3E-09	6.4E-09	0.0E+00	0.0E+00	0.0E+00	7.6E-09
439	BKGN	260485.04	4022693.14	260485.04, 4	0.10383	0.11141	0.0001315	5.273E-08	0.00013	3.3E-08	9.8E-08	5.7E-08	5.2E-08	2.4E-08	1.1E-09	5.5E-09	0.0E+00	0.0E+00	0.0E+00	6.6E-09
440	BKGN	260543.68	4022693.14	260543.68, 4	0.0889	0.0959	0.0001126	4.539E-08	0.00011	2.8E-08	8.4E-08	4.9E-08	4.4E-08	2.0E-08	9.3E-10	4.7E-09	0.0E+00	0.0E+00	0.0E+00	5.6E-09
441	BKGN	260602.32	4022693.14	260602.32, 4	0.07713	0.0837	9.767E-05	3.962E-08	9.8E-05	2.4E-08	7.3E-08	4.2E-08	3.8E-08	1.7E-08	8.1E-10	4.1E-09	0.0E+00	0.0E+00	0.0E+00	4.9E-09
442	R_1	259632.9	4022073.46	259632.9, 40	0.37634	0.25013	0.0004766	1.184E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
443	R_2	259632.9	4022093.46	259632.9, 40	0.41285	0.27181	0.0005228	1.287E-07	0.00052	1.3E-07	3.9E-07	2.3E-07	2.0E-07	9.3E-08	4.3E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
444	R_3	259632.9	4022113.46	259632.9, 40	0.45309	0.29635	0.0005738	1.403E-07	0.00057	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
445	R_4	259632.9	4022133.46	259632.9, 40	0.49694	0.32428	0.0006293	1.535E-07	0.00063	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	5.2E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
446	R_5	259632.9	4022153.46	259632.9, 40	0.54398	0.35627	0.0006889	1.686E-07	0.00069	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
447	R_6	259632.9	4022173.46	259632.9, 40	0.59331	0.39316	0.0007513	1.861E-07	0.00075	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
448	R_7	259632.9	4022193.46	259632.9, 40	0.64349	0.43605	0.0008149	2.064E-07	0.00082	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.1E-08
449	R_8	259632.9	4022213.46	259632.9, 40	0.69285	0.48645	0.0008774	2.302E-07	0.00088	2.2E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	7.2E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
450	R_9	259632.9	4022233.46	259632.9, 40	0.7401	0.54652	0.0009372	2.587E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.7E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
451	R_10	259652.9	4022073.46	259652.9, 40	0.40505	0.26462	0.0005129	1.252E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
452	R_11	259652.9	4022093.46	259652.9, 40	0.44687	0.2886	0.0005659	1.366E-07	0.00057	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
453	R_12	259652.9	4022113.46	259652.9, 40	0.49365	0.31583	0.0006251	1.495E-07	0.00063	1.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	5.2E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
454	R_13	259652.9	4022133.46	259652.9, 40	0.5455	0.347	0.0006908	1.642E-07	0.00069	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.7E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
455	R_14	259652.9	4022153.46	259652.9, 40	0.60201	0.38289	0.0007624	1.812E-07	0.00076	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
456	R_15	259652.9	4022173.46	259652.9, 40	0.66231	0.42451	0.0008387	2.009E-07	0.00084	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.9E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
457	R_16	259652.9	4022193.46	259652.9, 40	0.72474	0.47319	0.0009178	2.24E-07	0.00092	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
458	R_17	259652.9	4022213.46	259652.9, 40	0.78708	0.53074	0.0009967	2.512E-07	0.001	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	8.2E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	5.0E-08
459	R_18	259652.9	4022233.46	259652.9, 40	0.8474	0.59973	0.0010731	2.839E-07	0.00107	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.9E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.3E-08
460	R_19	259672.9	4022073.46	259672.9, 40	0.43705	0.28058	0.0005535	1.328E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
461	R_20	259672.9	4022093.46	259672.9, 40	0.48503	0.30712	0.0006142	1.454E-07	0.00061	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
462	R_21	259672.9	4022113.46	259672.9, 40	0.53956	0.33741	0.0006833	1.597E-07	0.00068	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
463	R_22	259672.9	4022133.46	259672.9, 40	0.60107	0.37223	0.0007612	1.762E-07	0.00076	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
464	R_23	259672.9	4022153.46	259672.9, 40	0.6694	0.41252	0.0008477	1.953E-07	0.00085	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	7.0E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
465	R_24	259672.9	4022173.46	259672.9, 40	0.74376	0.45948	0.0009419	2.175E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
466	R_25	259672.9	4022193.46	259672.9, 40	0.82228	0.51464	0.0010413	2.436E-07	0.00104	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	4.3E-08	0.0E+00	0.0E+00	0.0E+00	5.2E-08
467	R_26	259672.9	4022213.46	259672.9, 40	0.90209	0.58007	0.0011424	2.746E-07	0.00114	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	9.4E-09	4.7E-08	0.0E+00	0.0E+00	0.0E+00	5.7E-08
468	R_27	259672.9	4022233.46	259672.9, 40	0.98032	0.65872	0.0012414	3.118E-07	0.00124	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.0E-08	5.2E-08	0.0E+00	0.0E+00	0.0E+00	6.2E-08
469	R_28	259692.9	4022073.46	259692.9, 40	0.47289	0.2981	0.0005988	1.411E-07	0.0006	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
470	R_29	259692.9	4022093.46	259692.9, 40	0.52805	0.32746	0.0006687	1.55E-07	0.00067	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
471	R_30	259692.9	4022113.46	259692.9, 40	0.59182	0.36115	0.0007495	1.709E-07	0.00075	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
472	R_31	259692.9	4022133.46	259692.9, 40	0.66507	0.40003	0.0008422	1.893E-07	0.00084	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	7.0E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
473	R_32	259692.9	4022153.46	259692.9, 40	0.74822	0.4452	0.0009475	2.107E-07	0.00095	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
474	R_33	259692.9	4022173.46	259692.9, 40	0.84076	0.49801	0.0010647	2.357E-07	0.00106	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	4.4E-08	0.0E+00	0.0E+00	0.0E+00	5.3E-08
475	R_34	259692.9	4022193.46	259692.9, 40	0.94077	0.56018	0.0011913	2.651E-07	0.00119	2.9E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.8E-09	5.0E-08	0.0E+00	0.0E+00	0.0E+00	5.9E-08
476	R_35	259692.9	4022213.46	259692.9, 40	1.04459	0.63398	0.0013228	3.001E-07	0.00132	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.1E-08	5.5E-08	0.0E+00	0.0E+00	0.0E+00	6.6E-08
477	R_36	259692.9	4022233.46	259692.9, 40	1.148	0.72258	0.0014538	3.42E-07	0.00145	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.2E-08	6.0E-08	0.0E+00	0.0E+00	0.0E+00	7.2E-08
478	R_37	259712.9	4022073.46	259712.9, 40	0.51312	0.31718	0.0006498	1.501E-07	0.00065	1.6E-07	4.9E-07	2.8E-07	2.5E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
479	R_38	259712.9	4022093.46	259712.9, 40	0.57678	0.34964	0.0007304	1.655E-07	0.00073	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.0E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
480	R_39	259712.9	4022113.46	259712.9, 40	0.65161	0.38705	0.0008252	1.832E-07	0.00083	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.8E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.1E-08
481	R_40	259712.9	4022133.46	259712.9, 40	0.73927	0.43038	0.0009362	2.037E-07	0.00094	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	7.7E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08

482	R_41	259712.9	4022153.46	259712.9, 4(	0.84109	0.48081	0.0010651	2.276E-07	0.00107	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.8E-09	4.4E-08	0.0E+00	0.0E+00	0.0E+00	5.3E-08
483	R_42	259712.9	4022173.46	259712.9, 4(	0.9574	0.53985	0.0012124	2.555E-07	0.00121	3.0E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	1.0E-08	5.0E-08	0.0E+00	0.0E+00	0.0E+00	6.0E-08
484	R_43	259712.9	4022193.46	259712.9, 4(	1.08664	0.60935	0.0013761	2.884E-07	0.00138	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.1E-08	5.7E-08	0.0E+00	0.0E+00	0.0E+00	6.9E-08
485	R_44	259712.9	4022213.46	259712.9, 4(	1.22438	0.69166	0.0015505	3.274E-07	0.00155	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.3E-08	6.4E-08	0.0E+00	0.0E+00	0.0E+00	7.7E-08
486	R_45	259712.9	4022233.46	259712.9, 4(	1.36431	0.79009	0.0017277	3.74E-07	0.00173	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.4E-08	7.2E-08	0.0E+00	0.0E+00	0.0E+00	8.6E-08
487	R_46	259732.9	4022073.46	259732.9, 4(	0.55847	0.33786	0.0007072	1.599E-07	0.00071	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
488	R_47	259732.9	4022093.46	259732.9, 4(	0.63221	0.37364	0.0008006	1.768E-07	0.0008	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.6E-09	3.3E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
489	R_48	259732.9	4022113.46	259732.9, 4(	0.72035	0.41503	0.0009122	1.964E-07	0.00091	2.3E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	7.5E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.5E-08
490	R_49	259732.9	4022133.46	259732.9, 4(	0.82583	0.46308	0.0010458	2.192E-07	0.00105	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	8.6E-09	4.3E-08	0.0E+00	0.0E+00	0.0E+00	5.2E-08
491	R_50	259732.9	4022153.46	259732.9, 4(	0.95143	0.51906	0.0012048	2.457E-07	0.00121	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.0E-08	5.0E-08	0.0E+00	0.0E+00	0.0E+00	6.0E-08
492	R_51	259732.9	4022173.46	259732.9, 4(	1.09925	0.58455	0.001392	2.767E-07	0.00139	3.4E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.1E-08	5.8E-08	0.0E+00	0.0E+00	0.0E+00	6.9E-08
493	R_52	259732.9	4022193.46	259732.9, 4(	1.26902	0.66148	0.001607	3.131E-07	0.00161	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.3E-08	6.7E-08	0.0E+00	0.0E+00	0.0E+00	8.0E-08
494	R_53	259732.9	4022213.46	259732.9, 4(	1.45622	0.75226	0.0018441	3.561E-07	0.00184	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.5E-08	7.7E-08	0.0E+00	0.0E+00	0.0E+00	9.2E-08
495	R_54	259732.9	4022233.46	259732.9, 4(	1.65143	0.86015	0.0020913	4.071E-07	0.00209	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.7E-08	8.7E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
496	R_55	259752.9	4022073.46	259752.9, 4(	0.60933	0.36008	0.0007716	1.704E-07	0.00077	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
497	R_56	259752.9	4022093.46	259752.9, 4(	0.6952	0.39934	0.0008804	1.89E-07	0.00088	2.2E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	7.3E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
498	R_57	259772.9	4022073.46	259772.9, 4(	0.66613	0.38374	0.0008436	1.816E-07	0.00084	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	7.0E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
499	R_58	259772.9	4022093.46	259772.9, 4(	0.76656	0.42659	0.0009707	2.019E-07	0.00097	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	8.0E-09	4.0E-08	0.0E+00	0.0E+00	0.0E+00	4.8E-08
500	R_59	259792.9	4022073.46	259792.9, 4(	0.72908	0.4087	0.0009233	1.934E-07	0.00092	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.6E-09	3.8E-08	0.0E+00	0.0E+00	0.0E+00	4.6E-08
501	R_60	259792.9	4022093.46	259792.9, 4(	0.84696	0.45518	0.0010725	2.154E-07	0.00107	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.9E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.3E-08
502	R_61	259812.9	4022073.46	259812.9, 4(	0.79894	0.43478	0.0010117	2.058E-07	0.00101	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	8.4E-09	4.2E-08	0.0E+00	0.0E+00	0.0E+00	5.0E-08
503	R_62	259812.9	4022093.46	259812.9, 4(	0.93755	0.48493	0.0011873	2.295E-07	0.00119	2.9E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	9.8E-09	4.9E-08	0.0E+00	0.0E+00	0.0E+00	5.9E-08
504	R_63	259832.9	4022073.46	259832.9, 4(	0.87835	0.46183	0.0011123	2.186E-07	0.00111	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	9.2E-09	4.6E-08	0.0E+00	0.0E+00	0.0E+00	5.5E-08
505	R_64	259832.9	4022093.46	259832.9, 4(	1.04202	0.51573	0.0013196	2.441E-07	0.00132	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.1E-08	5.5E-08	0.0E+00	0.0E+00	0.0E+00	6.6E-08
506	S_1	259920.63	4022125.03	259920.63, 4	2.88963	0.80574	0.0036593	3.814E-07	0.00366	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
507	S_2	259920.63	4022145.03	259920.63, 4	3.9652	0.92173	0.0050213	4.363E-07	0.00502	1.2E-06	3.7E-06	2.2E-06	2.0E-06	9.0E-07	4.1E-08	2.1E-07	0.0E+00	0.0E+00	0.0E+00	2.5E-07
508	S_3	259920.63	4022165.03	259920.63, 4	5.68844	1.06365	0.0072036	5.034E-07	0.0072	1.8E-06	5.4E-06	3.1E-06	2.8E-06	1.3E-06	5.9E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.6E-07
509	S_4	259940.63	4022105.03	259940.63, 4	2.53371	0.74858	0.0032086	3.543E-07	0.00321	7.9E-07	2.4E-06	1.4E-06	1.3E-06	5.7E-07	2.6E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
510	S_5	259940.63	4022125.03	259940.63, 4	3.35448	0.85345	0.004248	4.039E-07	0.00425	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.5E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
511	S_6	259940.63	4022145.03	259940.63, 4	4.57989	0.98193	0.0057998	4.648E-07	0.0058	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.8E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
512	S_7	259940.63	4022165.03	259940.63, 4	6.47432	1.14227	0.0081988	5.407E-07	0.0082	2.0E-06	6.1E-06	3.5E-06	3.2E-06	1.5E-06	6.8E-08	3.4E-07	0.0E+00	0.0E+00	0.0E+00	4.1E-07
513	S_8	259960.63	4022105.03	259960.63, 4	2.8741	0.78843	0.0036396	3.732E-07	0.00364	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
514	S_9	259960.63	4022125.03	259960.63, 4	3.77684	0.9033	0.0047828	4.275E-07	0.00478	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	3.9E-08	2.0E-07	0.0E+00	0.0E+00	0.0E+00	2.4E-07
515	S_10	259960.63	4022145.03	259960.63, 4	5.08455	1.04654	0.0064388	4.953E-07	0.00644	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	5.3E-08	2.7E-07	0.0E+00	0.0E+00	0.0E+00	3.2E-07
516	S_11	259960.63	4022165.03	259960.63, 4	7.03803	1.22986	0.0089126	5.821E-07	0.00891	2.2E-06	6.7E-06	3.9E-06	3.5E-06	1.6E-06	7.4E-08	3.7E-07	0.0E+00	0.0E+00	0.0E+00	4.4E-07
517	S_12	259980.63	4022105.03	259980.63, 4	3.17565	0.83057	0.0040215	3.931E-07	0.00402	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.3E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
518	S_13	259980.63	4022125.03	259980.63, 4	4.11822	0.95671	0.0052151	4.528E-07	0.00522	1.3E-06	3.9E-06	2.3E-06	2.0E-06	9.3E-07	4.3E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.6E-07
519	S_14	259980.63	4022145.03	259980.63, 4	5.44316	1.11712	0.006893	5.287E-07	0.00689	1.7E-06	5.1E-06	3.0E-06	2.7E-06	1.2E-06	5.7E-08	2.9E-07	0.0E+00	0.0E+00	0.0E+00	3.4E-07
520	S_15	259980.63	4022165.03	259980.63, 4	7.36286	1.32857	0.009324	6.288E-07	0.00932	2.3E-06	7.0E-06	4.0E-06	3.7E-06	1.7E-06	7.7E-08	3.9E-07	0.0E+00	0.0E+00	0.0E+00	4.6E-07
521	S_16	260000.63	4022105.03	260000.63, 4	3.41077	0.87968	0.0043192	4.164E-07	0.00432	1.1E-06	3.2E-06	1.9E-06	1.7E-06	7.7E-07	3.6E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
522	S_17	260000.63	4022125.03	260000.63, 4	4.35032	1.01996	0.005509	4.828E-07	0.00551	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.8E-07	4.5E-08	2.3E-07	0.0E+00	0.0E+00	0.0E+00	2.7E-07
523	S_18	260000.63	4022145.03	260000.63, 4	5.63216	1.20245	0.0071323	5.691E-07	0.00713	1.8E-06	5.3E-06	3.1E-06	2.8E-06	1.3E-06	5.9E-08	3.0E-07	0.0E+00	0.0E+00	0.0E+00	3.6E-07
524	S_19	260000.63	4022165.03	260000.63, 4	7.43279	1.45107	0.0094125	6.868E-07	0.00941	2.3E-06	7.0E-06	4.1E-06	3.7E-06	1.7E-06	7.8E-08	3.9E-07	0.0E+00	0.0E+00	0.0E+00	4.7E-07
525	R_65	259550.34	4021844.01	259550.34, 4	0.13404	0.10349	0.0001697	4.898E-08	0.00017	4.2E-08	1.3E-07	7.3E-08	6.7E-08	3.0E-08	1.4E-09	7.1E-09	0.0E+00	0.0E+00	0.0E+00	8.5E-09
526	R_66	259550.34	4021864.01	259550.34, 4	0.14149	0.1087	0.0001792	5.145E-08	0.00018	4.4E-08	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.5E-09	7.4E-09	0.0E+00	0.0E+00	0.0E+00	8.9E-09
527	R_67	259550.34	4021884.01	259550.34, 4	0.1497	0.11439	0.0001896	5.414E-08	0.00019	4.7E-08	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.6E-09	7.9E-09	0.0E+00	0.0E+00	0.0E+00	9.4E-09
528	R_68	259550.34	4021904.01	259550.34, 4	0.1588	0.1206	0.0002011	5.708E-08	0.0002	5.0E-08	1.5E-07	8.7E-08	7.9E-08	3.6E-08	1.7E-09	8.4E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
529	R_69	259550.34	4021924.01	259550.34, 4	0.1689	0.12738	0.0002139	6.029E-08	0.00021	5.3E-08	1.6E-07	9.2E-08	8.4E-08	3.8E-08	1.8E-09	8.9E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
530	R_70	259550.34	4021944.01	259550.34, 4	0.18014	0.13481	0.0002281	6.381E-08	0.00023	5.6E-08	1.7E-07	9.9E-08	8.9E-08	4.1E-08	1.9E-09	9.5E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
531	R_71	259550.34	4021964.01	259550.34, 4	0.19262	0.14293	0.0002439	6.765E-08	0.00024	6.0E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
532	R_72	259550.34	4021984.01	259550.34, 4	0.20645	0.1518	0.0002614	7.185E-08	0.00026	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
533	R_73	259550.34	4022004.01	259550.34, 4	0.22165	0.16152	0.0002807	7.645E-08	0.00028	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
534	R_74	259550.34	4022024.01	259550.34, 4	0.23823	0.17217	0.0003017	8.149E-08	0.0003	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
535	R_75	259570.34	4021844.01	259570.34, 4	0.13947	0.1064	0.0001766	5.036E-08	0.00018	4.4E-08	1.3E-07	7.6E-08	6.9E-08	3.2E-08	1.5E-09	7.3E-09	0.0E+00	0.0E+00	0.0E+00	8.8E-09
536	R_76	259570.34	4021864.01	259570.34, 4	0.14738	0.11186	0.0001866	5.294E-08	0.00019	4.6E-08	1.4E-07	8.1E-08	7.3E-08	3.3E-08	1.5E-09	7.8E-09	0.0E+00	0.0E+00	0.0E+00	9.3E-09
537	R_77	259570.34	4021884.01	259570.34, 4	0.1561	0.11782	0.0001977	5.577E-08	0.0002	4.9E-08	1.5E-07	8.5E-08	7.7E-08	3.5E-08	1.6E-09	8.2E-09	0.0E+00	0.0E+00	0.0E+00	9.8E-09
538	R_78	259570.34	4021904.01	259570.34, 4	0.16576	0.12435	0.0002099	5.886E-08	0.00021	5.2E-08	1.6E-07	9.1E-08	8.2E-08	3.8E-08	1.7E-09	8.7E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
539	R_79	259570.34	4021924.01	259570.34, 4	0.17649	0.13152	0.0002235	6.225E-08	0.00022	5.5E-08	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.8E-09	9.3E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
540	R_80	259570.34	4021944.01	259570.34, 4	0.18845	0.13938	0.0002386	6.597E-08	0.00024	5.9E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.0E-09	9.9E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
541	R_81	259570.34	4021964.01	259570.34, 4	0.20181	0.148	0.0002556	7.005E-08	0.00026	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
542	R_82	259570.34	4021984.01	259570.34, 4	0.21671	0.15746	0.0002744	7.453E-08	0.00027	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
543	R_83	259570.34	4022004.01	259570.34, 4	0.23324	0.16787	0.0002954	7.946E-08	0.0003	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
544	R_84	259570.34	4022024.01	259570.34, 4	0.25147	0.17932	0.0003184	8.487E-08	0.00032	7.9E-08	2.4E-07	1.4E-07	1.2E-07	5.7E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
545	R_85	259590.34	4021844.01	259590.34, 4	0.14522	0.10955	0.0001839	5.185E-08	0.00018	4.5E-08	1.4E-07	8.0E-08	7.2E-08	3.3E-08	1.5E-09	7.6E-09	0.0E+00	0.0E+00	0.0E+00	9.2E-09
546	R_86	259590.34	4021864.01	259590.34, 4	0.15368	0.11529	0.0001946	5.457E-08	0.00019	4.8E-08	1.5E-07	8.4E-08	7.6E-08	3.5E-08	1.6E-09	8.1E-09	0.0E+00	0.0E+00	0.0E+00	9.7E-09
547	R_87	259590.34	4021884.01	259590.34, 4	0.163	0.12156	0.0002064	5.754E-08	0.00021	5.1E-08	1.5E-07	8.9E-08	8.1E-08	3.7E-08	1.7E-09	8.6E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
548	R_88	259590.34	4021904.01	259590.34, 4	0.1733	0.12844	0.0002195	6.079E-08	0.00022	5.4E-08	1.6E-07	9.5E-08	8.6E-08	3.9E-08	1.8E-09	9.1E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
549	R_89	259590.34	4021924.01	259590.34, 4	0.18476	0.13601	0.000234	6.438E-08	0.00023	5.8E-08	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	9.7E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
550	R_90	259590.34	4021944.01	259590.34, 4	0.19754	0.14434	0.0002502	6.832E-08	0.00025	6.2E-08	1.9E-07	1.1E-07	9.8E-08	4.5E-08	2.1E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
551	R_91	259590.34	4021964.01	259590.34, 4	0.21187	0.1535	0.0002683	7.265E-08	0.00027	6.6E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
552	R_92	259590.34	4021984.01	259590.34, 4	0.22794	0.16361	0.0002887	7.744E-08	0.00029	7.1E-08	2.2E-07	1.2E-07	1.1E-07	5.2E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
553	R_93	259590.34	4022004.01	259590.34, 4	0.2459	0.17478	0.0003114	8.273E-08	0.00031	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
554	R_94	259590.34	4022024.01	259590.34, 4	0.26592	0.18711	0.0003367	8.856E-08	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
555	R_95	259610.34	4021844.01	259610.34, 4	0.15129	0.11296	0.0001916	5.347E-08	0.00019	4.7E-08	1.4E-07	8.3E-08	7.5E-08	3.4E-08	1.6E-09	8.0E-09	0.0E+00	0.0E+00	0.0E+00	9.5E-09
556	R_96	259610.34	4021864.01	259610.34, 4	0.16038	0.11901	0.0002031	5.633E-08	0.0002	5.0E-08	1.5E-07	8.8E-08	8.0E-08	3.6E-08	1.7E-09	8.4E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
557	R_97	259610.34	4021884.01	259610.34, 4	0.17038	0.12562	0.0002158	5.946E-08	0.00022	5.3E-08	1.6E-07	9.3E-08	8.5E-08	3.9E-08	1.8E-09	9.0E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
558	R_98	259610.34	4021904.01	259610.34, 4	0.18144	0.13289	0.0002298	6.29E-08	0.00023	5.7E-08	1.7E-07	9.9E-08	9.0E-08	4.1E-08	1.9E-09	9.5E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
559	R_99	259610.34	4021924.01	259610.34, 4	0.19374	0.14089	0.0002453	6.669E-08	0.00025	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
560	R_10(	259610.34	4021944.01	259610.34, 4	0.20748	0.14973	0.0002627	7.087E-08	0.00026	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
561	R_10:	259610.34	4021964.01	259610.34, 4	0.2229	0.1595	0.0002823	7.549E-08	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
562	R_10:	259610.34	4021984.01	259610.34, 4	0.24026	0.17032	0.0003043	8.061E-08	0.0003	7.5E-08	2.3E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
563	R_10:	259610.34	4022004.01	259610.34, 4	0.2598	0.18232	0.000329	8.629E-08	0.00033	8.1E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
564	R_10	259610.34	4022024.01	259610.34, 4	0.28177	0.19564	0.0003568	9.26E-08	0.00036	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
565	R_10!	259630.34	4021844.01	259630.34, 4	0.15766	0.11663	0.0001997	5.52E-08	0.0002	4.9E-08	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.6E-09	8.3E-09	0.0E+00	0.0E+00	0.0E+00	9.9E-09
566	R_10(	259630.34	4021864.01	259630.34, 4	0.16745	0.12302	0.0002121	5.823E-08	0.00021	5.2E-08	1.6E-07	9.2E-08	8.3E-08	3.8E-08	1.8E-09	8.8E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
567	R_10	259630.34	4021884.01	259630.34, 4	0.17824	0.13002	0.0002257	6.154E-08	0.00023	5.6E-08	1.7E-07	9.8E-08	8.8E-08	4.0E-08	1.9E-09	9.4E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
568	R_10{	259630.34	4021904.01	259630.34, 4	0.19017	0.13772	0.0002408	6.518E-08	0.00024	6.0E-08	1.8E-07	1.0E-07	9.4E-08	4.3E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
569	R_10!	259630.34	4021924.01	259630.34, 4	0.20345	0.14621	0.0002576	6.92E-08	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
570	R_11(	259630.34	4021944.01	259630.34, 4	0.2183	0.15561	0.0002764	7.365E-08	0.00028	6.8E-08	2.1E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
571	R_11:	259630.34	4021964.01	259630.34, 4	0.23498	0.16604	0.0002976	7.859E-08	0.0003	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
572	R_11:	259630.34	4021984.01	259630.34, 4	0.25381	0.17764	0.0003214	8.408E-08	0.00032	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
573	R_11:	259630.34	4022004.01	259630.34, 4	0.27511	0.19056	0.0003484	9.019E-08	0.00035	8.6E-08	2.6E-07	1.5E-07	1.4E-07	6.2E-08	2.9E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
574	R_11	259630.34	4022024.01	259630.34, 4	0.29924	0.20498	0.0003789	9.702E-08	0.00038	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
575	R_11!	259650.34	4021844.01	259650.34, 4	0.16432	0.12056	0.0002081	5.706E-08	0.00021	5.1E-08	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.7E-09	8.6E-09	0.0E+00	0.0E+00	0.0E+00	1.0E-08
576	R_11(	259650.34	4021864.01	259650.34, 4	0.17489	0.12734	0.0002215	6.027E-08	0.00022	5.5E-08	1.7E-07	9.6E-08	8.7E-08	4.0E-08	1.8E-09	9.2E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
577	R_11	259650.34	4021884.01	259650.34, 4	0.18656	0.13478	0.0002363	6.379E-08	0.00024	5.8E-08	1.8E-07	1.0E-07	9.3E-08	4.2E-08	2.0E-09	9.8E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
578	R_11{	259650.34	4021904.01	259650.34, 4	0.19949	0.14296	0.0002526	6.766E-08	0.00025	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
579	R_11!	259650.34	4021924.01	259650.34, 4	0.21389	0.152	0.0002709	7.194E-08	0.00027	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08

580	R_12(	259650.34	4021944.01	259650.34, 4	0.23	0.16203	0.0002913	7.669E-08	0.00029	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
581	R_12:	259650.34	4021964.01	259650.34, 4	0.24815	0.17318	0.0003142	8.197E-08	0.00031	7.8E-08	2.3E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
582	R_12;	259650.34	4021984.01	259650.34, 4	0.26867	0.18564	0.0003402	8.787E-08	0.00034	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.1E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
583	R_12:	259650.34	4022004.01	259650.34, 4	0.29198	0.19957	0.0003697	9.446E-08	0.00037	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	3.1E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
584	R_12‹	259650.34	4022024.01	259650.34, 4	0.31857	0.2152	0.0004034	1.019E-07	0.0004	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
585	R_12!	259670.34	4021844.01	259670.34, 4	0.17125	0.12478	0.0002169	5.906E-08	0.00022	5.4E-08	1.6E-07	9.4E-08	8.5E-08	3.9E-08	1.8E-09	9.0E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
586	R_12(	259670.34	4021864.01	259670.34, 4	0.18268	0.13199	0.0002313	6.247E-08	0.00023	5.7E-08	1.7E-07	1.0E-07	9.1E-08	4.1E-08	1.9E-09	9.6E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
587	R_12;	259670.34	4021884.01	259670.34, 4	0.19533	0.13991	0.0002474	6.622E-08	0.00025	6.1E-08	1.8E-07	1.1E-07	9.7E-08	4.4E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
588	R_12{	259670.34	4021904.01	259670.34, 4	0.20938	0.14863	0.0002651	7.035E-08	0.00027	6.6E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
589	R_12!	259670.34	4021924.01	259670.34, 4	0.22506	0.15828	0.000285	7.492E-08	0.00029	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
590	R_13(	259670.34	4021944.01	259670.34, 4	0.24264	0.16901	0.0003073	7.999E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
591	R_13:	259670.34	4021964.01	259670.34, 4	0.26246	0.18097	0.0003324	8.566E-08	0.00033	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
592	R_13;	259670.34	4021984.01	259670.34, 4	0.28494	0.19436	0.0003608	9.199E-08	0.00036	8.9E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
593	R_13:	259670.34	4022004.01	259670.34, 4	0.31057	0.20942	0.0003933	9.912E-08	0.00039	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
594	R_13‹	259670.34	4022024.01	259670.34, 4	0.33995	0.22639	0.0004305	1.072E-07	0.00043	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
595	R_13!	259690.34	4021844.01	259690.34, 4	0.17841	0.12928	0.0002259	6.119E-08	0.00023	5.6E-08	1.7E-07	9.8E-08	8.9E-08	4.0E-08	1.9E-09	9.4E-09	0.0E+00	0.0E+00	0.0E+00	1.1E-08
596	R_13(	259690.34	4021864.01	259690.34, 4	0.19078	0.13697	0.0002416	6.483E-08	0.00024	6.0E-08	1.8E-07	1.0E-07	9.5E-08	4.3E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
597	R_13;	259690.34	4021884.01	259690.34, 4	0.20452	0.14542	0.000259	6.883E-08	0.00026	6.4E-08	1.9E-07	1.1E-07	1.0E-07	4.6E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
598	R_13{	259690.34	4021904.01	259690.34, 4	0.21982	0.15475	0.0002784	7.325E-08	0.00028	6.9E-08	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
599	R_13!	259690.34	4021924.01	259690.34, 4	0.23694	0.16508	0.0003	7.813E-08	0.0003	7.4E-08	2.2E-07	1.3E-07	1.2E-07	5.4E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
600	R_14(	259690.34	4021944.01	259690.34, 4	0.25618	0.17658	0.0003244	8.358E-08	0.00032	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
601	R_14:	259690.34	4021964.01	259690.34, 4	0.27794	0.18944	0.000352	8.966E-08	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
602	R_14;	259690.34	4021984.01	259690.34, 4	0.30269	0.20388	0.0003833	9.65E-08	0.00038	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
603	R_14:	259690.34	4022004.01	259690.34, 4	0.331	0.22017	0.0004192	1.042E-07	0.00042	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.5E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
604	R_14‹	259690.34	4022024.01	259690.34, 4	0.36359	0.23861	0.0004604	1.129E-07	0.00046	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
605	R_14!	259710.34	4021844.01	259710.34, 4	0.18578	0.13406	0.0002353	6.345E-08	0.00024	5.8E-08	1.8E-07	1.0E-07	9.2E-08	4.2E-08	1.9E-09	9.8E-09	0.0E+00	0.0E+00	0.0E+00	1.2E-08
606	R_14(	259710.34	4021864.01	259710.34, 4	0.19917	0.14228	0.0002522	6.734E-08	0.00025	6.2E-08	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.1E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
607	R_14;	259710.34	4021884.01	259710.34, 4	0.21408	0.15132	0.0002711	7.162E-08	0.00027	6.7E-08	2.0E-07	1.2E-07	1.1E-07	4.8E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
608	R_14{	259710.34	4021904.01	259710.34, 4	0.23076	0.16132	0.0002922	7.636E-08	0.00029	7.2E-08	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
609	R_14!	259710.34	4021924.01	259710.34, 4	0.24949	0.17242	0.0003159	8.161E-08	0.00032	7.8E-08	2.4E-07	1.4E-07	1.2E-07	5.6E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
610	R_15(	259710.34	4021944.01	259710.34, 4	0.27061	0.18479	0.0003427	8.746E-08	0.00034	8.5E-08	2.6E-07	1.5E-07	1.3E-07	6.1E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
611	R_15:	259710.34	4021964.01	259710.34, 4	0.29458	0.19864	0.000373	9.402E-08	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
612	R_15;	259710.34	4021984.01	259710.34, 4	0.32193	0.21424	0.0004077	1.014E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
613	R_15:	259710.34	4022004.01	259710.34, 4	0.35334	0.23189	0.0004475	1.098E-07	0.00045	1.1E-07	3.3E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
614	R_15‹	259710.34	4022024.01	259710.34, 4	0.38969	0.25195	0.0004935	1.193E-07	0.00049	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
615	R_15!	259730.34	4021844.01	259730.34, 4	0.19329	0.13913	0.0002448	6.585E-08	0.00024	6.1E-08	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.0E-09	1.0E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-08
616	R_15(	259730.34	4021864.01	259730.34, 4	0.20776	0.14792	0.0002631	7.001E-08	0.00026	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
617	R_15;	259730.34	4021884.01	259730.34, 4	0.22396	0.15762	0.0002836	7.46E-08	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
618	R_15{	259730.34	4021904.01	259730.34, 4	0.24214	0.16836	0.0003066	7.969E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
619	R_15!	259730.34	4021924.01	259730.34, 4	0.26264	0.18031	0.0003326	8.534E-08	0.00033	8.2E-08	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.7E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
620	R_16(	259730.34	4021944.01	259730.34, 4	0.28587	0.19364	0.000362	9.165E-08	0.00036	9.0E-08	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
621	R_16:	259730.34	4021964.01	259730.34, 4	0.31233	0.20861	0.0003955	9.874E-08	0.0004	9.8E-08	3.0E-07	1.7E-07	1.5E-07	7.1E-08	3.3E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
622	R_16;	259730.34	4021984.01	259730.34, 4	0.34266	0.22549	0.0004339	1.067E-07	0.00043	1.1E-07	3.2E-07	1.9E-07	1.7E-07	7.8E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
623	R_16:	259730.34	4022004.01	259730.34, 4	0.37766	0.24463	0.0004783	1.158E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
624	R_16‹	259730.34	4022024.01	259730.34, 4	0.41838	0.26645	0.0005298	1.261E-07	0.00053	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
625	R_16!	259750.34	4021844.01	259750.34, 4	0.20087	0.14452	0.0002544	6.84E-08	0.00025	6.3E-08	1.9E-07	1.1E-07	1.0E-07	4.5E-08	2.1E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
626	R_16(	259750.34	4021864.01	259750.34, 4	0.21649	0.15392	0.0002742	7.285E-08	0.00027	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
627	R_16;	259750.34	4021884.01	259750.34, 4	0.23404	0.16433	0.0002964	7.778E-08	0.0003	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
628	R_16{	259750.34	4021904.01	259750.34, 4	0.25384	0.17589	0.0003215	8.325E-08	0.00032	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
629	R_16!	259750.34	4021924.01	259750.34, 4	0.27628	0.18876	0.0003499	8.934E-08	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
630	R_17(	259750.34	4021944.01	259750.34, 4	0.30182	0.20316	0.0003822	9.616E-08	0.00038	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.8E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
631	R_17:	259750.34	4021964.01	259750.34, 4	0.33108	0.21935	0.0004193	1.038E-07	0.00042	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	3.5E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
632	R_17;	259750.34	4021984.01	259750.34, 4	0.36478	0.23764	0.0004619	1.125E-07	0.00046	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.3E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
633	R_17:	259750.34	4022004.01	259750.34, 4	0.40389	0.25842	0.0005115	1.223E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
634	R_17‹	259750.34	4022024.01	259750.34, 4	0.44965	0.28214	0.0005694	1.335E-07	0.00057	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
635	R_17!	259770.34	4021844.01	259770.34, 4	0.20849	0.15024	0.000264	7.111E-08	0.00026	6.5E-08	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.2E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.3E-08
636	R_17(	259770.34	4021864.01	259770.34, 4	0.22531	0.16031	0.0002853	7.588E-08	0.00029	7.1E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
637	R_17;	259770.34	4021884.01	259770.34, 4	0.24429	0.17148	0.0003094	8.116E-08	0.00031	7.7E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.6E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
638	R_17{	259770.34	4021904.01	259770.34, 4	0.26581	0.18391	0.0003366	8.705E-08	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
639	R_17!	259770.34	4021924.01	259770.34, 4	0.29031	0.19779	0.0003676	9.362E-08	0.00037	9.1E-08	2.7E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
640	R_18(	259770.34	4021944.01	259770.34, 4	0.31837	0.21335	0.0004032	1.01E-07	0.0004	1.0E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
641	R_18:	259770.34	4021964.01	259770.34, 4	0.35068	0.23088	0.0004441	1.093E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.7E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
642	R_18;	259770.34	4021984.01	259770.34, 4	0.38815	0.2507	0.0004915	1.187E-07	0.00049	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.1E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
643	R_18:	259770.34	4022004.01	259770.34, 4	0.43191	0.27324	0.000547	1.293E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.1E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
644	R_18‹	259770.34	4022024.01	259770.34, 4	0.48348	0.29899	0.0006123	1.415E-07	0.00061	1.5E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	5.1E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
645	R_18!	259790.34	4021844.01	259790.34, 4	0.21621	0.15631	0.0002738	7.398E-08	0.00027	6.8E-08	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.1E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
646	R_18(	259790.34	4021864.01	259790.34, 4	0.23427	0.16709	0.0002967	7.909E-08	0.0003	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.5E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
647	R_18;	259790.34	4021884.01	259790.34, 4	0.25474	0.17907	0.0003226	8.476E-08	0.00032	8.0E-08	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
648	R_18{	259790.34	4021904.01	259790.34, 4	0.27805	0.19243	0.0003521	9.108E-08	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
649	R_18!	259790.34	4021924.01	259790.34, 4	0.30475	0.20739	0.0003859	9.816E-08	0.00039	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
650	R_19(	259790.34	4021944.01	259790.34, 4	0.33548	0.2242	0.0004248	1.061E-07	0.00042	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
651	R_19:	259790.34	4021964.01	259790.34, 4	0.37111	0.24315	0.00047	1.151E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
652	R_19;	259790.34	4021984.01	259790.34, 4	0.4127	0.26461	0.0005226	1.252E-07	0.00052	1.3E-07	3.9E-07	2.3E-07	2.0E-07	9.3E-08	4.3E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
653	R_19:	259790.34	4022004.01	259790.34, 4	0.46164	0.28903	0.0005846	1.368E-07	0.00058	1.4E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	4.8E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
654	R_19‹	259790.34	4022024.01	259790.34, 4	0.51978	0.31694	0.0006582	1.5E-07	0.00066	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
655	R_19!	259810.34	4021844.01	259810.34, 4	0.22421	0.16275	0.0002839	7.703E-08	0.00028	7.0E-08	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.3E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.4E-08
656	R_19(	259810.34	4021864.01	259810.34, 4	0.24357	0.17428	0.0003084	8.249E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
657	R_19;	259810.34	4021884.01	259810.34, 4	0.26561	0.18712	0.0003364	8.857E-08	0.00034	8.3E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
658	R_19{	259810.34	4021904.01	259810.34, 4	0.29082	0.20147	0.0003683	9.536E-08	0.00037	9.1E-08	2.8E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
659	R_19!	259810.34	4021924.01	259810.34, 4	0.31982	0.21756	0.000405	1.03E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
660	R_20(	259810.34	4021944.01	259810.34, 4	0.35342	0.23567	0.0004476	1.115E-07	0.00045	1.1E-07	3.3E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
661	R_20:	259810.34	4021964.01	259810.34, 4	0.39262	0.25612	0.0004972	1.212E-07	0.0005	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.9E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
662	R_20;	259810.34	4021984.01	259810.34, 4	0.4387	0.2793	0.0005555	1.322E-07	0.00056	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
663	R_20:	259810.34	4022004.01	259810.34, 4	0.49336	0.30569	0.0006248	1.447E-07	0.00062	1.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	5.2E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
664	R_20‹	259810.34	4022024.01	259810.34, 4	0.55884	0.33584	0.0007077	1.59E-07	0.00071	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
665	R_20!	259830.34	4021844.01	259830.34, 4	0.2328	0.16954	0.0002948	8.025E-08	0.00029	7.3E-08	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.4E-09	1.2E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
666	R_20(	259830.34	4021864.01	259830.34, 4	0.25356	0.18186	0.0003211	8.608E-08	0.00032	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
667	R_20;	259830.34	4021884.01	259830.34, 4	0.27729	0.1956	0.0003511	9.258E-08	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
668	R_20{	259830.34	4021904.01	259830.34, 4	0.30456	0.21098	0.0003857	9.986E-08	0.00039	9.5E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
669	R_20!	259830.34	4021924.01	259830.34, 4	0.33609	0.22825	0.0004256	1.08E-07	0.00043	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
670	R_21(	259830.34	4021944.01	259830.34, 4	0.37282	0.2477	0.0004721	1.172E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.9E-07	8.4E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
671	R_21:	259830.34	4021964.01	259830.34, 4	0.41596	0.26969	0.0005268	1.276E-07	0.00053	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
672	R_21;	259830.34	4021984.01	259830.34, 4	0.46703	0.29465	0.0005914	1.395E-07	0.00059	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
673	R_21:	259830.34	4022004.01	259830.34, 4	0.52809	0.32305	0.0006687	1.529E-07	0.00067	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
674	R_21‹	259830.34	4022024.01	259830.34, 4	0.60191	0.35552	0.0007622	1.683E-07	0.00076	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	6.3E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
675	R_21!	259850.34	4021844.01	259850.34, 4	0.24239	0.17665	0.000307	8.361E-08	0.00031	7.6E-08	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.5E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.5E-08
676	R_21(	259850.34	4021864.01	259850.34, 4	0.26472	0.18979	0.0003352	8.983E-08	0.00034	8.3E-08	2.5E-07	1.4E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
677	R_21;	259850.34	4021884.01	259850.34, 4	0.29036	0.20447	0.0003677	9.678E-08	0.00037	9.1E-08	2.7E-07	1.6E-07	1.4E-07	6.6E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08

678	R_21	259850.34	4021904.01	259850.34, 4	0.31996	0.22091	0.0004052	1.046E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.2E-08	3.3E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
679	R_21	259850.34	4021924.01	259850.34, 4	0.35438	0.23939	0.0004488	1.133E-07	0.00045	1.1E-07	3.4E-07	1.9E-07	1.8E-07	8.0E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
680	R_22	259850.34	4021944.01	259850.34, 4	0.39471	0.26022	0.0004998	1.232E-07	0.0005	1.2E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	4.1E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
681	R_22	259850.34	4021964.01	259850.34, 4	0.44238	0.28378	0.0005602	1.343E-07	0.00056	1.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	4.6E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
682	R_22	259850.34	4021984.01	259850.34, 4	0.49925	0.31053	0.0006322	1.47E-07	0.00063	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	5.2E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
683	R_22	259850.34	4022004.01	259850.34, 4	0.56778	0.34099	0.000719	1.614E-07	0.00072	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.9E-09	3.0E-08	0.0E+00	0.0E+00	0.0E+00	3.6E-08
684	R_22	259850.34	4022024.01	259850.34, 4	0.65148	0.37582	0.000825	1.779E-07	0.00083	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.8E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.1E-08
685	R_22	259870.34	4021844.01	259870.34, 4	0.2535	0.18401	0.000321	8.709E-08	0.00032	7.9E-08	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.7E-09	1.3E-08	0.0E+00	0.0E+00	0.0E+00	1.6E-08
686	R_22	259870.34	4021864.01	259870.34, 4	0.27765	0.19801	0.0003516	9.372E-08	0.00035	8.7E-08	2.6E-07	1.5E-07	1.4E-07	6.3E-08	2.9E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
687	R_22	259870.34	4021884.01	259870.34, 4	0.30552	0.21365	0.0003869	1.011E-07	0.00039	9.6E-08	2.9E-07	1.7E-07	1.5E-07	6.9E-08	3.2E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
688	R_22	259870.34	4021904.01	259870.34, 4	0.33785	0.23117	0.0004278	1.094E-07	0.00043	1.1E-07	3.2E-07	1.8E-07	1.7E-07	7.7E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
689	R_22	259870.34	4021924.01	259870.34, 4	0.37565	0.25087	0.0004757	1.187E-07	0.00048	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
690	R_23	259870.34	4021944.01	259870.34, 4	0.42021	0.27309	0.0005321	1.293E-07	0.00053	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
691	R_23	259870.34	4021964.01	259870.34, 4	0.47327	0.29823	0.0005993	1.412E-07	0.0006	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
692	R_23	259870.34	4021984.01	259870.34, 4	0.53711	0.32679	0.0006802	1.547E-07	0.00068	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
693	R_23	259870.34	4022004.01	259870.34, 4	0.61488	0.35933	0.0007787	1.701E-07	0.00078	1.9E-07	5.8E-07	3.4E-07	3.1E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
694	R_23	259870.34	4022024.01	259870.34, 4	0.71085	0.39655	0.0009002	1.877E-07	0.0009	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.4E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.5E-08
695	R_23	259890.34	4021844.01	259890.34, 4	0.26663	0.19157	0.0003376	9.067E-08	0.00034	8.4E-08	2.5E-07	1.5E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	0.0E+00	0.0E+00	0.0E+00	1.7E-08
696	R_23	259890.34	4021864.01	259890.34, 4	0.29294	0.20641	0.000371	9.77E-08	0.00037	9.2E-08	2.8E-07	1.6E-07	1.5E-07	6.6E-08	3.1E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
697	R_23	259890.34	4021884.01	259890.34, 4	0.32345	0.22301	0.0004096	1.056E-07	0.00041	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
698	R_23	259890.34	4021904.01	259890.34, 4	0.35902	0.24162	0.0004546	1.144E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.8E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
699	R_23	259890.34	4021924.01	259890.34, 4	0.40087	0.26254	0.0005076	1.243E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
700	R_24	259890.34	4021944.01	259890.34, 4	0.45058	0.28614	0.0005706	1.354E-07	0.00057	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
701	R_24	259890.34	4021964.01	259890.34, 4	0.51026	0.31287	0.0006462	1.481E-07	0.00065	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
702	R_24	259890.34	4021984.01	259890.34, 4	0.58271	0.34324	0.0007379	1.625E-07	0.00074	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
703	R_24	259890.34	4022004.01	259890.34, 4	0.67191	0.37789	0.0008509	1.789E-07	0.00085	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	7.0E-09	3.5E-08	0.0E+00	0.0E+00	0.0E+00	4.2E-08
704	R_24	259890.34	4022024.01	259890.34, 4	0.78332	0.41753	0.000992	1.976E-07	0.00099	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	8.2E-09	4.1E-08	0.0E+00	0.0E+00	0.0E+00	4.9E-08
705	R_24	259910.34	4021844.01	259910.34, 4	0.28226	0.19927	0.0003574	9.432E-08	0.00036	8.8E-08	2.7E-07	1.5E-07	1.4E-07	6.4E-08	3.0E-09	1.5E-08	0.0E+00	0.0E+00	0.0E+00	1.8E-08
706	R_24	259910.34	4021864.01	259910.34, 4	0.31115	0.21494	0.000394	1.017E-07	0.00039	9.7E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.3E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
707	R_24	259910.34	4021884.01	259910.34, 4	0.34481	0.23248	0.0004367	1.1E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.8E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
708	R_24	259910.34	4021904.01	259910.34, 4	0.3843	0.25214	0.0004867	1.193E-07	0.00049	1.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
709	R_24	259910.34	4021924.01	259910.34, 4	0.43108	0.27426	0.0005459	1.298E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.1E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
710	R_25	259910.34	4021944.01	259910.34, 4	0.48707	0.29923	0.0006168	1.416E-07	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
711	R_25	259910.34	4021964.01	259910.34, 4	0.55482	0.32752	0.0007026	1.55E-07	0.0007	1.7E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
712	R_25	259910.34	4021984.01	259910.34, 4	0.63784	0.35969	0.0008077	1.702E-07	0.00081	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
713	R_25	259910.34	4022004.01	259910.34, 4	0.7411	0.39644	0.0009385	1.876E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
714	R_25	259910.34	4022024.01	259910.34, 4	0.87165	0.43853	0.0011038	2.076E-07	0.0011	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	9.1E-09	4.6E-08	0.0E+00	0.0E+00	0.0E+00	5.5E-08
715	R_25	259930.34	4021844.01	259930.34, 4	0.30076	0.20714	0.0003809	9.804E-08	0.00038	9.4E-08	2.8E-07	1.6E-07	1.5E-07	6.8E-08	3.1E-09	1.6E-08	0.0E+00	0.0E+00	0.0E+00	1.9E-08
716	R_25	259930.34	4021864.01	259930.34, 4	0.33272	0.22361	0.0004213	1.058E-07	0.00042	1.0E-07	3.1E-07	1.8E-07	1.7E-07	7.5E-08	3.5E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.1E-08
717	R_25	259930.34	4021884.01	259930.34, 4	0.37016	0.24204	0.0004688	1.146E-07	0.00047	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.9E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
718	R_25	259930.34	4021904.01	259930.34, 4	0.41437	0.26271	0.0005247	1.243E-07	0.00052	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.3E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
719	R_25	259930.34	4021924.01	259930.34, 4	0.46709	0.28598	0.0005915	1.354E-07	0.00059	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
720	R_26	259930.34	4021944.01	259930.34, 4	0.53061	0.31226	0.0006719	1.478E-07	0.00067	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.5E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
721	R_26	259950.34	4021844.01	259950.34, 4	0.32237	0.21525	0.0004082	1.019E-07	0.00041	1.0E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	3.4E-09	1.7E-08	0.0E+00	0.0E+00	0.0E+00	2.0E-08
722	R_26	259950.34	4021864.01	259950.34, 4	0.35797	0.23249	0.0004533	1.1E-07	0.00045	1.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	3.7E-09	1.9E-08	0.0E+00	0.0E+00	0.0E+00	2.3E-08
723	R_26	259950.34	4021884.01	259950.34, 4	0.39988	0.25177	0.0005064	1.192E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08
724	R_26	259950.34	4021904.01	259950.34, 4	0.44967	0.27341	0.0005694	1.294E-07	0.00057	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
725	R_26	259950.34	4021924.01	259950.34, 4	0.5094	0.29778	0.0006451	1.409E-07	0.00065	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	5.3E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.2E-08
726	R_26	259950.34	4021944.01	259950.34, 4	0.58182	0.32532	0.0007368	1.54E-07	0.00074	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.1E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.7E-08
727	R_26	259970.34	4021844.01	259970.34, 4	0.34714	0.22374	0.0004396	1.059E-07	0.00044	1.1E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	3.6E-09	1.8E-08	0.0E+00	0.0E+00	0.0E+00	2.2E-08
728	R_26	259970.34	4021864.01	259970.34, 4	0.38697	0.24174	0.00049	1.144E-07	0.00049	1.2E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	4.0E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
729	R_26	259970.34	4021884.01	259970.34, 4	0.43408	0.26188	0.0005497	1.24E-07	0.00055	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
730	R_27	259970.34	4021904.01	259970.34, 4	0.4903	0.28445	0.0006209	1.346E-07	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
731	R_27	259970.34	4021924.01	259970.34, 4	0.55806	0.30989	0.0007067	1.467E-07	0.00071	1.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
732	R_27	259970.34	4021944.01	259970.34, 4	0.64058	0.33867	0.0008112	1.603E-07	0.00081	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
733	R_27	259990.34	4021844.01	259990.34, 4	0.375	0.23275	0.0004749	1.102E-07	0.00047	1.2E-07	3.5E-07	2.1E-07	1.9E-07	8.5E-08	3.9E-09	2.0E-08	0.0E+00	0.0E+00	0.0E+00	2.4E-08
734	R_27	259990.34	4021864.01	259990.34, 4	0.41958	0.25157	0.0005313	1.191E-07	0.00053	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	4.4E-09	2.2E-08	0.0E+00	0.0E+00	0.0E+00	2.6E-08
735	R_27	259990.34	4021884.01	259990.34, 4	0.4725	0.27261	0.0005984	1.29E-07	0.0006	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	4.9E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
736	R_27	259990.34	4021904.01	259990.34, 4	0.53571	0.29616	0.0006784	1.402E-07	0.00068	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	5.6E-09	2.8E-08	0.0E+00	0.0E+00	0.0E+00	3.4E-08
737	R_27	259990.34	4021924.01	259990.34, 4	0.61227	0.32274	0.0007753	1.528E-07	0.00078	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	6.4E-09	3.2E-08	0.0E+00	0.0E+00	0.0E+00	3.9E-08
738	R_27	259990.34	4021944.01	259990.34, 4	0.70581	0.35285	0.0008938	1.67E-07	0.00089	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.4E-09	3.7E-08	0.0E+00	0.0E+00	0.0E+00	4.5E-08
739	R_27	260122.8	4022046.18	260122.8, 4	1.99851	0.86676	0.0025308	4.102E-07	0.00253	6.3E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	2.1E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
740	R_28	260142.8	4022066.18	260142.8, 4	2.05744	1.02912	0.0026054	4.871E-07	0.00261	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
741	R_28	260142.8	4022086.18	260142.8, 4	2.22939	1.18432	0.0028232	5.606E-07	0.00282	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
742	R_28	260142.8	4022106.18	260142.8, 4	2.3859	1.36784	0.0030214	6.474E-07	0.00302	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.5E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
743	R_28	260142.8	4022126.18	260142.8, 4	2.51493	1.58052	0.0031848	7.481E-07	0.00319	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.6E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
744	R_28	260142.8	4022146.18	260142.8, 4	2.60583	1.81879	0.0032999	8.609E-07	0.0033	8.2E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	2.7E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
745	R_28	260142.8	4022166.18	260142.8, 4	2.65036	2.07249	0.0033563	9.809E-07	0.00336	8.3E-07	2.5E-06	1.5E-06	1.3E-06	6.0E-07	2.8E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
746	R_28	260162.8	4022066.18	260162.8, 4	1.86658	1.03856	0.0023637	4.916E-07	0.00236	5.8E-07	1.8E-06	1.0E-06	9.3E-07	4.2E-07	2.0E-08	9.8E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
747	R_28	260162.8	4022086.18	260162.8, 4	1.98346	1.1784	0.0025118	5.578E-07	0.00251	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	2.1E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
748	R_28	260162.8	4022106.18	260162.8, 4	2.0789	1.33595	0.0026326	6.323E-07	0.00263	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
749	R_28	260162.8	4022126.18	260162.8, 4	2.14519	1.50839	0.0027166	7.139E-07	0.00272	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
750	R_29	260162.8	4022146.18	260162.8, 4	2.17799	1.68952	0.0027581	7.997E-07	0.00276	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.3E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
751	R_29	260162.8	4022166.18	260162.8, 4	2.17585	1.86987	0.0027554	8.85E-07	0.00276	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.3E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
752	R_29	260182.8	4022066.18	260182.8, 4	1.6733	1.0269	0.002119	4.86E-07	0.00212	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.7E-08	8.8E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
753	R_29	260182.8	4022086.18	260182.8, 4	1.74747	1.14705	0.0022129	5.429E-07	0.00221	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.8E-08	9.2E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
754	R_29	260182.8	4022106.18	260182.8, 4	1.80096	1.27624	0.0022806	6.041E-07	0.00228	5.6E-07	1.7E-06	9.9E-07	8.9E-07	4.1E-07	1.9E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
755	R_29	260182.8	4022126.18	260182.8, 4	1.82941	1.41037	0.0023167	6.675E-07	0.00232	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.9E-08	9.6E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
756	R_29	260182.8	4022146.18	260182.8, 4	1.82894	1.54321	0.0023161	7.304E-07	0.00232	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.9E-08	9.6E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
757	R_29	260182.8	4022166.18	260182.8, 4	1.80191	1.66754	0.0022819	7.893E-07	0.00228	5.6E-07	1.7E-06	9.9E-07	8.9E-07	4.1E-07	1.9E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
758	R_29	260202.8	4022066.18	260202.8, 4	1.48947	0.99711	0.0018862	4.719E-07	0.00189	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	7.8E-08	0.0E+00	0.0E+00	0.0E+00	9.4E-08
759	R_29	260202.8	4022086.18	260202.8, 4	1.52782	1.09601	0.0019348	5.188E-07	0.00194	4.8E-07	1.4E-06	8.4E-07	7.6E-07	3.5E-07	1.6E-08	8.0E-08	0.0E+00	0.0E+00	0.0E+00	9.6E-08
760	R_30	260202.8	4022106.18	260202.8, 4	1.55013	1.19771	0.001963	5.669E-07	0.00196	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.6E-08	8.2E-08	0.0E+00	0.0E+00	0.0E+00	9.8E-08
761	R_30	260202.8	4022126.18	260202.8, 4	1.55304	1.29823	0.0019667	6.145E-07	0.00197	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.6E-08	8.2E-08	0.0E+00	0.0E+00	0.0E+00	9.8E-08
762	R_30	260202.8	4022146.18	260202.8, 4	1.53523	1.39251	0.0019441	6.591E-07	0.00194	4.8E-07	1.5E-06	8.4E-07	7.6E-07	3.5E-07	1.6E-08	8.1E-08	0.0E+00	0.0E+00	0.0E+00	9.7E-08
763	R_30	260202.8	4022166.18	260202.8, 4	1.49937	1.47561	0.0018987	6.984E-07	0.0019	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.6E-08	7.9E-08	0.0E+00	0.0E+00	0.0E+00	9.5E-08
764	W_1	260095.45	4022187.01	260095.45, 4	4.49353	3.01704	0.0056904	1.428E-06	0.00569	1.4E-06	4.2E-06	2.5E-06	2.2E-06	1.0E-06	4.7E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
765	W_2	260095.45	4022207.01	260095.45, 4	4.60135	3.70297	0.0058269	1.753E-06	0.00583	1.4E-06	4.4E-06	2.5E-06	2.3E-06	1.0E-06	4.8E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
766	W_3	260095.45	4022227.01	260095.45, 4	4.57011	4.38225	0.0057874	2.074E-06	0.00579	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.8E-08	2.4E-07	0.0E+00	0.0E+00	0.0E+00	2.9E-07
767	W_4	260095.45	4022247.01	260095.45, 4	4.41237	4.9617	0.0055876	2.348E-06	0.00559	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	4.6E-08	2.3E-07	0.0E+00	0.0E+00	0.0E+00	2.8E-07
768	W_5	260095.45	4022267.01	260095.45, 4	4.1525	5.41201	0.0052585	2.562E-06	0.00526	1.3E-06	3.9E-06	2.3E-06	2.1E-06	9.4E-07	4.3E-08	2.2E-07	0.0E+00	0.0E+00	0.0E+00	2.6E-07
769	W_6	260115.45	4022187.01	260115.45, 4	3.5778	2.75253	0.0045308	1.303E-06	0.00453	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.7E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
770	W_7	260115.45	4022207.01	260115.45, 4	3.57145	3.18501	0.0045227	1.508E-06	0.00452	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.7E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
771	W_8	260115.45	4022227.01	260115.45, 4	3.47734	3.57814	0.0044035	1.694E-06	0.00441	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.6E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
772	W_9	260115.45	4022247.01	260115.45, 4	3.30821	3.90211	0.0041894	1.847E-06	0.00419	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.5E-07	3.5E-08	1.7E-07	0.0E+00	0.0E+00	0.0E+00	2.1E-07
773	W_1	260115.45	4022267.01	260115.45, 4	3.08137	4.14905	0.0039021	1.964E-06	0.0039	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.2E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
774	W_11	260135.45	4022187.01	260135.45, 4	2.86314	2.44681	0.0036257	1.158E-06	0.00363	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.0E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
775	W_12	260135.45	4022207.01	260135.45, 4	2.806	2.71945	0.0035534	1.287E-06	0.00355	8.8E-07	2.7E-06	1.5E-06	1.4E-06	6.4E-07	2.9E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07

776	W_13	260135.45	4022227.01	260135.45,	2.69472	2.95359	0.0034125	1.398E-06	0.00341	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.8E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
777	W_14	260135.45	4022247.01	260135.45,	2.53944	3.13743	0.0032158	1.485E-06	0.00322	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
778	W_15	260135.45	4022267.01	260135.45,	2.35171	3.2658	0.0029781	1.546E-06	0.00298	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.5E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
779	W_16	260155.45	4022187.01	260155.45,	2.30483	2.14818	0.0029187	1.017E-06	0.00292	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.4E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.5E-07
780	W_17	260155.45	4022207.01	260155.45,	2.22956	2.31909	0.0028234	1.098E-06	0.00282	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.3E-08	1.2E-07	0.0E+00	0.0E+00	0.0E+00	1.4E-07
781	W_18	260155.45	4022227.01	260155.45,	2.12171	2.45675	0.0026868	1.163E-06	0.00269	6.6E-07	2.0E-06	1.2E-06	1.1E-06	4.8E-07	2.2E-08	1.1E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
782	W_19	260155.45	4022247.01	260155.45,	1.98903	2.55486	0.0025188	1.209E-06	0.00252	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	2.1E-08	1.0E-07	0.0E+00	0.0E+00	0.0E+00	1.3E-07
783	W_20	260155.45	4022267.01	260155.45,	1.83991	2.6096	0.00233	1.235E-06	0.00233	5.8E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	1.9E-08	9.7E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
784	W_21	260175.45	4022187.01	260175.45,	1.87796	1.8738	0.0023782	8.869E-07	0.00238	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.3E-07	2.0E-08	9.9E-08	0.0E+00	0.0E+00	0.0E+00	1.2E-07
785	W_22	260175.45	4022207.01	260175.45,	1.79934	1.97786	0.0022786	9.361E-07	0.00228	5.6E-07	1.7E-06	9.9E-07	8.9E-07	4.1E-07	1.9E-08	9.5E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
786	W_23	260175.45	4022227.01	260175.45,	1.7017	2.05376	0.002155	9.721E-07	0.00216	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.9E-07	1.8E-08	9.0E-08	0.0E+00	0.0E+00	0.0E+00	1.1E-07
787	W_24	260175.45	4022247.01	260175.45,	1.59095	2.09765	0.0020147	9.928E-07	0.00202	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.7E-08	8.4E-08	0.0E+00	0.0E+00	0.0E+00	1.0E-07
788	W_25	260175.45	4022267.01	260175.45,	1.47141	2.10692	0.0018633	9.972E-07	0.00186	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.5E-08	7.7E-08	0.0E+00	0.0E+00	0.0E+00	9.3E-08
789	W_26	260195.45	4022187.01	260195.45,	1.54609	1.62816	0.0019579	7.706E-07	0.00196	4.8E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.6E-08	8.1E-08	0.0E+00	0.0E+00	0.0E+00	9.8E-08
790	W_27	260195.45	4022207.01	260195.45,	1.47176	1.68746	0.0018638	7.987E-07	0.00186	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.5E-08	7.7E-08	0.0E+00	0.0E+00	0.0E+00	9.3E-08
791	W_28	260195.45	4022227.01	260195.45,	1.38679	1.7232	0.0017562	8.156E-07	0.00176	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.5E-08	7.3E-08	0.0E+00	0.0E+00	0.0E+00	8.8E-08
792	W_29	260195.45	4022247.01	260195.45,	1.29535	1.73316	0.0016404	8.203E-07	0.00164	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.4E-08	6.8E-08	0.0E+00	0.0E+00	0.0E+00	8.2E-08
793	W_30	260195.45	4022267.01	260195.45,	1.19962	1.71607	0.0015191	8.122E-07	0.00152	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.3E-08	6.3E-08	0.0E+00	0.0E+00	0.0E+00	7.6E-08
794	W_31	260063.43	4022072.23	260063.43,	2.6364	0.87174	0.0033386	4.126E-07	0.00334	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.8E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.7E-07
795	W_32	260063.43	4022092.23	260063.43,	3.1236	1.01638	0.0039556	4.811E-07	0.00396	9.8E-07	3.0E-06	1.7E-06	1.5E-06	7.1E-07	3.3E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
796	W_33	260063.43	4022112.23	260063.43,	3.70163	1.2082	0.0046876	5.719E-07	0.00469	1.2E-06	3.5E-06	2.0E-06	1.8E-06	8.4E-07	3.9E-08	1.9E-07	0.0E+00	0.0E+00	0.0E+00	2.3E-07
797	W_34	260083.43	4022072.23	260083.43,	2.58189	0.93633	0.0032696	4.432E-07	0.00327	8.1E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.7E-08	1.4E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
798	W_35	260083.43	4022092.23	260083.43,	2.9908	1.09866	0.0037874	5.2E-07	0.00379	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	3.1E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	1.9E-07
799	W_36	260083.43	4022112.23	260083.43,	3.45023	1.3137	0.0043692	6.218E-07	0.00437	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.6E-08	1.8E-07	0.0E+00	0.0E+00	0.0E+00	2.2E-07
800	W_37	260103.43	4022072.23	260103.43,	2.4636	0.99716	0.0031198	4.72E-07	0.00312	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.6E-08	1.3E-07	0.0E+00	0.0E+00	0.0E+00	1.6E-07
801	W_38	260103.43	4022092.23	260103.43,	2.78485	1.17048	0.0035266	5.54E-07	0.00353	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.9E-08	1.5E-07	0.0E+00	0.0E+00	0.0E+00	1.8E-07
802	W_39	260103.43	4022112.23	260103.43,	3.12501	1.3941	0.0039574	6.598E-07	0.00396	9.8E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.3E-08	1.6E-07	0.0E+00	0.0E+00	0.0E+00	2.0E-07
803	R_30	260243.42	4022062.81	260243.42,	1.15862	0.88794	0.0014672	4.203E-07	0.00147	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.2E-08	6.1E-08	0.0E+00	0.0E+00	0.0E+00	7.3E-08
804	R_30	260243.42	4022082.81	260243.42,	1.16538	0.9489	0.0014758	4.491E-07	0.00148	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.2E-08	6.1E-08	0.0E+00	0.0E+00	0.0E+00	7.4E-08
805	R_30	260243.42	4022102.81	260243.42,	1.1594	1.00635	0.0014682	4.763E-07	0.00147	3.6E-07	1.1E-06	6.3E-07	5.8E-07	2.6E-07	1.2E-08	6.1E-08	0.0E+00	0.0E+00	0.0E+00	7.3E-08
806	R_30	260243.42	4022122.81	260243.42,	1.14086	1.05775	0.0014447	5.006E-07	0.00145	3.6E-07	1.1E-06	6.2E-07	5.7E-07	2.6E-07	1.2E-08	6.0E-08	0.0E+00	0.0E+00	0.0E+00	7.2E-08
807	R_30	260243.42	4022142.81	260243.42,	1.11106	1.10071	0.001407	5.21E-07	0.00141	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.2E-08	5.8E-08	0.0E+00	0.0E+00	0.0E+00	7.0E-08
808	R_30	260243.42	4022162.81	260243.42,	1.07144	1.13316	0.0013568	5.363E-07	0.00136	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.1E-08	5.6E-08	0.0E+00	0.0E+00	0.0E+00	6.8E-08
809	R_31	260243.42	4022182.81	260243.42,	1.02337	1.15344	0.0012959	5.459E-07	0.0013	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.1E-08	5.4E-08	0.0E+00	0.0E+00	0.0E+00	6.5E-08
810	R_31	260243.42	4022202.81	260243.42,	0.96918	1.16019	0.0012273	5.491E-07	0.00123	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.0E-08	5.1E-08	0.0E+00	0.0E+00	0.0E+00	6.1E-08
811	R_31	260243.42	4022222.81	260243.42,	0.91165	1.15273	0.0011545	5.456E-07	0.00116	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	9.5E-09	4.8E-08	0.0E+00	0.0E+00	0.0E+00	5.8E-08
812	R_31	260243.42	4022242.81	260243.42,	0.85326	1.13105	0.0010805	5.353E-07	0.00108	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.9E-09	4.5E-08	0.0E+00	0.0E+00	0.0E+00	5.4E-08
813	R_31	260243.42	4022262.81	260243.42,	0.79601	1.0961	0.001008	5.188E-07	0.00101	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	8.3E-09	4.2E-08	0.0E+00	0.0E+00	0.0E+00	5.0E-08
814	R_31	260243.42	4022282.81	260243.42,	0.74132	1.04963	0.0009388	4.968E-07	0.00094	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.8E-09	3.9E-08	0.0E+00	0.0E+00	0.0E+00	4.7E-08
815	R_31	260243.42	4022302.81	260243.42,	0.68988	0.99414	0.0008736	4.705E-07	0.00087	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	7.2E-09	3.6E-08	0.0E+00	0.0E+00	0.0E+00	4.4E-08
816	R_31	260243.42	4022322.81	260243.42,	0.6417	0.93275	0.0008126	4.415E-07	0.00081	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.7E-09	3.4E-08	0.0E+00	0.0E+00	0.0E+00	4.0E-08
817	R_31	260243.42	4022342.81	260243.42,	0.59675	0.86842	0.0007557	4.11E-07	0.00076	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.4E-07	6.2E-09	3.1E-08	0.0E+00	0.0E+00	0.0E+00	3.8E-08
818	R_31	260243.42	4022362.81	260243.42,	0.55537	0.80383	0.0007033	3.805E-07	0.0007	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.8E-09	2.9E-08	0.0E+00	0.0E+00	0.0E+00	3.5E-08
819	R_32	260243.42	4022382.81	260243.42,	0.51727	0.741	0.000655	3.507E-07	0.00066	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	5.4E-09	2.7E-08	0.0E+00	0.0E+00	0.0E+00	3.3E-08
820	R_32	260243.42	4022402.81	260243.42,	0.48259	0.68153	0.0006111	3.226E-07	0.00061	1.5E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	5.0E-09	2.5E-08	0.0E+00	0.0E+00	0.0E+00	3.0E-08
821	R_32	260243.42	4022422.81	260243.42,	0.4516	0.6269	0.0005719	2.967E-07	0.00057	1.4E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	4.7E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.8E-08
822	R_32	260263.42	4022362.81	260263.42,	0.48746	0.67696	0.0006173	3.204E-07	0.00062	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	0.0E+00	0.0E+00	0.0E+00	3.1E-08
823	R_32	260263.42	4022382.81	260263.42,	0.45648	0.62744	0.0005781	2.97E-07	0.00058	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	4.8E-09	2.4E-08	0.0E+00	0.0E+00	0.0E+00	2.9E-08
824	R_32	260263.42	4022402.81	260263.42,	0.42799	0.58066	0.000542	2.748E-07	0.00054	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	4.5E-09	2.3E-08	0.0E+00	0.0E+00	0.0E+00	2.7E-08
825	R_32	260263.42	4022422.81	260263.42,	0.40187	0.53776	0.0005089	2.545E-07	0.00051	1.3E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	4.2E-09	2.1E-08	0.0E+00	0.0E+00	0.0E+00	2.5E-08

Residential DOSEair = **(Cair*(BR/BW)*A*EF*10^{-6})**

A	1	Inhalation absorption factor[1]
EF	0.68	Exposure frequency (250/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk = **DOSEair * CPF * ASF * ED/AT * FAH**

CPF	1.1	Cancer Potency Factor for DPM[4]
AT	70	Averaging Time[5]

Age	BR/BW	ASF	FAH	ED (Const)
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	0.42
2<9	631	3	0.72	0
9<16	572	3	0.72	0
16<70	261	1	0.73	0

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for DPM, OEHHA 2015, Table 7.1, page 7-5
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Operational Risk

	Maverik OnSite Travel	Maverik OnSite Idle	Off-Site Travel	Generator
Emissions Rate (g/s):	4.93E-06	6.16E-06	4.19E-05	1.23E-02

Discrete Receptor ID		X	Y	X, Y	Concentration [µg/m^3] at 1 g/s Maverik OnSite Travel	Maverik OnSite Idle	Off-Site Travel	Generator	Maverik OnSite Travel	Maverik OnSite Idle	Off-Site Travel	Generator	Total
1	BKGN	259429.52	4021822.74	259429.52, 4021	1.88723	1.84615	4.78318	0.00075	9.31E-06	1.14E-05	2.00E-04	9.25E-06	2.30E-04
2	BKGN	259488.16	4021822.74	259488.16, 4021	2.02767	1.98054	4.98826	0.00077	1.00E-05	1.22E-05	2.09E-04	9.50E-06	2.41E-04
3	BKGN	259546.8	4021822.74	259546.8, 40218	2.18399	2.13035	5.20436	0.0008	1.08E-05	1.31E-05	2.18E-04	9.87E-06	2.52E-04
4	BKGN	259605.44	4021822.74	259605.44, 4021	2.35561	2.29531	5.44046	0.00085	1.16E-05	1.41E-05	2.28E-04	1.05E-05	2.64E-04
5	BKGN	259664.08	4021822.74	259664.08, 4021	2.54165	2.47363	5.72346	0.00093	1.25E-05	1.52E-05	2.40E-04	1.15E-05	2.79E-04
6	BKGN	259722.72	4021822.74	259722.72, 4021	2.74311	2.66519	6.08282	0.00105	1.35E-05	1.64E-05	2.55E-04	1.30E-05	2.98E-04
7	BKGN	259781.36	4021822.74	259781.36, 4021	2.98261	2.88415	6.57234	0.00119	1.47E-05	1.78E-05	2.75E-04	1.47E-05	3.22E-04
8	BKGN	259840	4021822.74	259840, 402182	3.35073	3.20865	7.32117	0.00135	1.65E-05	1.98E-05	3.07E-04	1.67E-05	3.59E-04
9	BKGN	259898.64	4021822.74	259898.64, 4021	3.91551	3.73086	8.68411	0.00157	1.93E-05	2.30E-05	3.64E-04	1.94E-05	4.25E-04
10	BKGN	259957.28	4021822.74	259957.28, 4021	4.60611	4.3795	12.11945	0.00196	2.27E-05	2.70E-05	5.07E-04	2.42E-05	5.81E-04
11	BKGN	260015.92	4021822.74	260015.92, 4021	5.46048	5.13686	17.78123	0.00264	2.69E-05	3.16E-05	7.45E-04	3.26E-05	8.36E-04
12	BKGN	260074.56	4021822.74	260074.56, 4021	6.67222	6.21951	19.22183	0.00376	3.29E-05	3.83E-05	8.05E-04	4.64E-05	9.22E-04
13	BKGN	260133.2	4021822.74	260133.2, 40218	8.13515	7.66494	12.92389	0.0053	4.01E-05	4.72E-05	5.41E-04	6.54E-05	6.94E-04
14	BKGN	260191.84	4021822.74	260191.84, 4021	9.29834	8.99798	10.6707	0.00679	4.58E-05	5.54E-05	4.47E-04	8.37E-05	6.32E-04
15	BKGN	260250.48	4021822.74	260250.48, 4021	9.65473	9.60549	9.52451	0.00756	4.76E-05	5.91E-05	3.99E-04	9.32E-05	5.99E-04
16	BKGN	260309.12	4021822.74	260309.12, 4021	9.14734	9.29029	8.77703	0.00746	4.51E-05	5.72E-05	3.68E-04	9.20E-05	5.62E-04
17	BKGN	260367.76	4021822.74	260367.76, 4021	8.08697	8.31625	8.19952	0.00679	3.99E-05	5.12E-05	3.43E-04	8.37E-05	5.18E-04
18	BKGN	260426.4	4021822.74	260426.4, 40218	6.8404	7.07566	7.7191	0.00588	3.37E-05	4.36E-05	3.23E-04	7.25E-05	4.73E-04
19	BKGN	260485.04	4021822.74	260485.04, 4021	5.65432	5.85674	7.2925	0.00497	2.79E-05	3.61E-05	3.05E-04	6.13E-05	4.31E-04
20	BKGN	260543.68	4021822.74	260543.68, 4021	4.64133	4.80136	6.92472	0.00416	2.29E-05	2.96E-05	2.90E-04	5.13E-05	3.94E-04
21	BKGN	260602.32	4021822.74	260602.32, 4021	3.82732	3.94958	6.61714	0.00348	1.89E-05	2.43E-05	2.77E-04	4.29E-05	3.63E-04
22	BKGN	259429.52	4021866.26	259429.52, 4021	2.09195	2.04336	5.7046	0.0008	1.03E-05	1.26E-05	2.39E-04	9.87E-06	2.72E-04
23	BKGN	259488.16	4021866.26	259488.16, 4021	2.26246	2.20599	5.92555	0.00083	1.12E-05	1.36E-05	2.48E-04	1.02E-05	2.83E-04
24	BKGN	259546.8	4021866.26	259546.8, 40218	2.45191	2.38631	6.16082	0.00086	1.21E-05	1.47E-05	2.58E-04	1.06E-05	2.95E-04
25	BKGN	259605.44	4021866.26	259605.44, 4021	2.66318	2.58793	6.42167	0.00091	1.31E-05	1.59E-05	2.69E-04	1.12E-05	3.09E-04
26	BKGN	259664.08	4021866.26	259664.08, 4021	2.89618	2.81027	6.73258	0.001	1.43E-05	1.73E-05	2.82E-04	1.23E-05	3.26E-04
27	BKGN	259722.72	4021866.26	259722.72, 4021	3.15029	3.05109	7.1234	0.00113	1.55E-05	1.88E-05	2.98E-04	1.39E-05	3.47E-04
28	BKGN	259781.36	4021866.26	259781.36, 4021	3.44702	3.32231	7.64847	0.00129	1.70E-05	2.05E-05	3.20E-04	1.59E-05	3.74E-04
29	BKGN	259840	4021866.26	259840, 402186	3.90086	3.71751	8.43626	0.00149	1.92E-05	2.29E-05	3.53E-04	1.84E-05	4.14E-04
30	BKGN	259898.64	4021866.26	259898.64, 4021	4.62136	4.37612	9.84304	0.00175	2.28E-05	2.69E-05	4.12E-04	2.16E-05	4.83E-04
31	BKGN	259957.28	4021866.26	259957.28, 4021	5.53287	5.21832	13.27563	0.00223	2.73E-05	3.21E-05	5.56E-04	2.75E-05	6.43E-04
32	BKGN	260015.92	4021866.26	260015.92, 4021	6.72534	6.25438	19.09507	0.00315	3.32E-05	3.85E-05	8.00E-04	3.89E-05	9.10E-04
33	BKGN	260074.56	4021866.26	260074.56, 4021	8.40128	7.77769	20.72752	0.0047	4.14E-05	4.79E-05	8.68E-04	5.80E-05	1.02E-03
34	BKGN	260133.2	4021866.26	260133.2, 40218	10.17794	9.63884	14.32024	0.0067	5.02E-05	5.93E-05	6.00E-04	8.26E-05	7.92E-04
35	BKGN	260191.84	4021866.26	260191.84, 4021	11.19085	10.9719	12.02832	0.0083	5.52E-05	6.75E-05	5.04E-04	1.02E-04	7.29E-04
36	BKGN	260250.48	4021866.26	260250.48, 4021	10.99177	11.09422	10.84027	0.00873	5.42E-05	6.83E-05	4.54E-04	1.08E-04	6.84E-04
37	BKGN	260309.12	4021866.26	260309.12, 4021	9.84369	10.11819	10.0421	0.00814	4.85E-05	6.23E-05	4.20E-04	1.00E-04	6.32E-04
38	BKGN	260367.76	4021866.26	260367.76, 4021	8.29826	8.60474	9.41772	0.00708	4.09E-05	5.30E-05	3.94E-04	8.73E-05	5.76E-04
39	BKGN	260426.4	4021866.26	260426.4, 40218	6.77338	7.03967	8.90789	0.00594	3.34E-05	4.33E-05	3.73E-04	7.33E-05	5.23E-04
40	BKGN	260485.04	4021866.26	260485.04, 4021	5.46938	5.67657	8.47078	0.0049	2.70E-05	3.49E-05	3.55E-04	6.04E-05	4.77E-04
41	BKGN	260543.68	4021866.26	260543.68, 4021	4.4318	4.58597	8.13024	0.00403	2.19E-05	2.82E-05	3.40E-04	4.97E-05	4.40E-04
42	BKGN	260602.32	4021866.26	260602.32, 4021	3.63299	3.74697	7.81706	0.00333	1.79E-05	2.31E-05	3.27E-04	4.11E-05	4.09E-04
43	BKGN	259429.52	4021909.78	259429.52, 4021	2.32826	2.27044	7.06042	0.00086	1.15E-05	1.40E-05	2.96E-04	1.06E-05	3.32E-04
44	BKGN	259488.16	4021909.78	259488.16, 4021	2.53987	2.47166	7.31152	0.0009	1.25E-05	1.52E-05	3.06E-04	1.11E-05	3.45E-04
45	BKGN	259546.8	4021909.78	259546.8, 40219	2.77438	2.69357	7.57809	0.00094	1.37E-05	1.66E-05	3.17E-04	1.16E-05	3.59E-04
46	BKGN	259605.44	4021909.78	259605.44, 4021	3.03831	2.94321	7.87983	0.00099	1.50E-05	1.81E-05	3.30E-04	1.22E-05	3.75E-04
47	BKGN	259664.08	4021909.78	259664.08, 4021	3.33486	3.22413	8.23598	0.00108	1.64E-05	1.98E-05	3.45E-04	1.33E-05	3.94E-04
48	BKGN	259722.72	4021909.78	259722.72, 4021	3.66212	3.53278	8.66963	0.00122	1.81E-05	2.17E-05	3.63E-04	1.50E-05	4.18E-04
49	BKGN	259781.36	4021909.78	259781.36, 4021	4.03997	3.87781	9.24488	0.00141	1.99E-05	2.39E-05	3.87E-04	1.74E-05	4.48E-04
50	BKGN	259840	4021909.78	259840, 402190	4.61233	4.36938	10.08878	0.00164	2.27E-05	2.69E-05	4.22E-04	2.02E-05	4.92E-04
51	BKGN	259898.64	4021909.78	259898.64, 4021	5.55616	5.21958	11.55953	0.00197	2.74E-05	3.21E-05	4.84E-04	2.43E-05	5.68E-04
52	BKGN	259957.28	4021909.78	259957.28, 4021	6.80123	6.34425	15.01873	0.00258	3.35E-05	3.91E-05	6.29E-04	3.18E-05	7.33E-04
53	BKGN	260015.92	4021909.78	260015.92, 4021	8.52311	7.81509	21.15574	0.00386	4.20E-05	4.81E-05	8.86E-04	4.76E-05	1.02E-03
54	BKGN	260074.56	4021909.78	260074.56, 4021	10.83204	9.99471	22.86067	0.00604	5.34E-05	6.15E-05	9.57E-04	7.45E-05	1.15E-03
55	BKGN	260133.2	4021909.78	260133.2, 40219	12.79715	12.26042	16.36357	0.0086	6.31E-05	7.55E-05	6.85E-04	1.06E-04	9.30E-04
56	BKGN	260191.84	4021909.78	260191.84, 4021	13.27782	13.2473	14.03634	0.01005	6.55E-05	8.16E-05	5.88E-04	1.24E-04	8.59E-04
57	BKGN	260250.48	4021909.78	260250.48, 4021	12.19213	12.50265	12.8063	0.00986	6.01E-05	7.70E-05	5.36E-04	1.22E-04	7.95E-04
58	BKGN	260309.12	4021909.78	260309.12, 4021	10.2786	10.68477	11.96656	0.00866	5.07E-05	6.58E-05	5.01E-04	1.07E-04	7.24E-04
59	BKGN	260367.76	4021909.78	260367.76, 4021	8.2757	8.63626	11.32046	0.0072	4.08E-05	5.32E-05	4.74E-04	8.88E-05	6.57E-04
60	BKGN	260426.4	4021909.78	260426.4, 40219	6.55356	6.82894	10.81397	0.00585	3.23E-05	4.20E-05	4.53E-04	7.22E-05	5.99E-04
61	BKGN	260485.04	4021909.78	260485.04, 4021	5.20381	5.40243	10.3951	0.00472	2.57E-05	3.33E-05	4.35E-04	5.82E-05	5.52E-04
62	BKGN	260543.68	4021909.78	260543.68, 4021	4.18588	4.32801	10.08896	0.00382	2.06E-05	2.66E-05	4.22E-04	4.71E-05	5.17E-04
63	BKGN	260602.32	4021909.78	260602.32, 4021	3.4287	3.53206	9.81773	0.00312	1.69E-05	2.17E-05	4.11E-04	3.85E-05	4.88E-04
64	BKGN	259429.52	4021953.3	259429.52, 4021	2.59924	2.53052	9.33847	0.00091	1.28E-05	1.56E-05	3.91E-04	1.12E-05	4.31E-04
65	BKGN	259488.16	4021953.3	259488.16, 4021	2.86702	2.78402	9.64788	0.00097	1.41E-05	1.71E-05	4.04E-04	1.20E-05	4.47E-04
66	BKGN	259546.8	4021953.3	259546.8, 40219	3.16626	3.06576	9.99936	0.00103	1.56E-05	1.89E-05	4.19E-04	1.27E-05	4.66E-04
67	BKGN	259605.44	4021953.3	259605.44, 4021	3.50361	3.38184	10.37949	0.00109	1.73E-05	2.08E-05	4.35E-04	1.34E-05	4.86E-04
68	BKGN	259664.08	4021953.3	259664.08, 4021	3.88654	3.74072	10.81134	0.00118	1.92E-05	2.30E-05	4.53E-04	1.46E-05	5.09E-04
69	BKGN	259722.72	4021953.3	259722.72, 4021	4.31844	4.14476	11.33166	0.00132	2.13E-05	2.55E-05	4.74E-04	1.63E-05	5.38E-04
70	BKGN	259781.36	4021953.3	259781.36, 4021	4.81546	4.59771	12.00499	0.00154	2.37E-05	2.83E-05	5.03E-04	1.90E-05	5.74E-04
71	BKGN	259840	4021953.3	259840, 402195	5.55746	5.22496	12.95306	0.00183	2.74E-05	3.22E-05	5.42E-04	2.26E-05	6.25E-04
72	BKGN	259898.64	4021953.3	259898.64, 4021	6.83312	6.3517	14.54428	0.00222	3.37E-05	3.91E-05	6.09E-04	2.74E-05	7.09E-04
73	BKGN	259957.28	4021953.3	259957.28, 4021	8.61419	7.9116	18.06529	0.00304	4.25E-05	4.87E-05	7.56E-04	3.75E-05	8.85E-04
74	BKGN	260015.92	4021953.3	260015.92, 4021	11.19328	10.10406	24.56838	0.00489	5.52E-05	6.22E-05	1.03E-03	6.03E-05	1.21E-03
75	BKGN	260074.56	4021953.3	260074.56, 4021	14.25838	13.20728	26.46877	0.00801	7.03E-05	8.13E-05	1.11E-03	9.88E-05	1.36E-03
76	BKGN	260133.2	4021953.3	260133.2, 40219	16.00231	15.63118	19.9285	0.01106	7.89E-05	9.62E-05	8.34E-04	1.36E-04	1.15E-03

Discrete Receptor ID	Residential Dose 3rd	0<2	2<4	4<9	9<16	16<30	Risk by Age Group 3rd	0<2	2<4	4<9	9<16	16<30	Total Risk
1	8.0E-08	2.4E-07	1.3E-07	1.3E-07	1.3E-07	5.8E-08	2.7E-09	6.4E-08	8.6E-09	2.1E-08	3.0E-08	3.6E-08	1.6E-07
2	8.3E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	6.0E-08	2.8E-09	6.7E-08	9.0E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
3	8.7E-08	2.6E-07	1.4E-07	1.4E-07	1.4E-07	6.3E-08	2.9E-09	7.0E-08	9.4E-09	2.3E-08	3.3E-08	3.9E-08	1.8E-07
4	9.1E-08	2.8E-07	1.4E-07	1.4E-07	1.4E-07	6.6E-08	3.1E-09	7.4E-08	9.8E-09	2.5E-08	3.4E-08	4.1E-08	1.9E-07
5	9.7E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	1.0E-08	2.6E-08	3.6E-08	4.3E-08	2.0E-07
6	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
7	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.1E-08	3.7E-09	9.0E-08	1.2E-08	3.0E-08	4.2E-08	5.0E-08	2.3E-07
8	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.3E-08	4.7E-08	5.5E-08	2.5E-07
9	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	4.0E-08	5.5E-08	6.6E-08	3.0E-07
10	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	9.0E-08	4.1E-07
11	2.9E-07	8.7E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
12	3.2E-07	9.6E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
13	2.4E-07	7.3E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.5E-08	9.0E-08	1.1E-07	4.9E-07
14	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.2E-08	9.7E-08	4.5E-07
15	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.2E-08	4.2E-07
16	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
17	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
18	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
19	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
20	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
21	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.1E-08	4.2E-09	1.0E-07	1.4E-08	3.4E-08	4.7E-08	5.6E-08	2.6E-07
22	9.4E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.8E-08	3.1E-09	7.6E-08	1.0E-08	2.5E-08	3.5E-08	4.2E-08	1.9E-07
23	9.8E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.1E-08	3.3E-09	7.9E-08	1.1E-08	2.6E-08	3.7E-08	4.4E-08	2.0E-07
24	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.2E-08	1.1E-08	2.7E-08	3.8E-08	4.6E-08	2.1E-07
25	1.1E-07	3.2E-07	1.7E-07	1.7E-07	1.7E-07	7.7E-08	3.6E-09	8.6E-08	1.2E-08	2.9E-08	4.0E-08	4.8E-08	2.2E-07
26	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.2E-08	3.8E-09	9.1E-08	1.2E-08	3.0E-08	4.2E-08	5.0E-08	2.3E-07
27	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
28	1.3E-07	3.9E-07	2.0E-07	2.0E-07	2.0E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.6E-07
29	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.9E-08	5.4E-08	6.4E-08	2.9E-07
30	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.3E-07	1.8E-08	4.5E-08	6.3E-08	7.5E-08	3.4E-07
31	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	9.9E-08	4.5E-07
32	3.2E-07	9.5E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.5E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.4E-07
33	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.5E-07	1.2E-08	2.8E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
34	2.7E-07	8.3E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.2E-09	2.2E-07	2.9E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
35	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.8E-08	9.5E-08	1.1E-07	5.1E-07
36	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	7.9E-09	1.9E-07	2.5E-08	6.4E-08	8.9E-08	1.1E-07	4.8E-07
37	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.2E-08	9.7E-08	4.5E-07
38	2.0E-07	6.0E-07	3.2E-07	3.2E-07	3.2E-07	1.4E-07	6.7E-09	1.6E-07	2.1E-08	5.4E-08	7.5E-08	8.9E-08	4.1E-07
39	1.8E-07	5.5E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.9E-08	6.8E-08	8.1E-08	3.7E-07
40	1.7E-07	5.0E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.4E-08	3.4E-07
41	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
42	1.4E-07	4.3E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
43	1.1E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.3E-08	3.8E-09	9.3E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
44	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.6E-08	4.0E-09	9.6E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
45	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.3E-08	4.7E-08	5.5E-08	2.5E-07
46	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.6E-07
47	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
48	1.4E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.4E-08	6.4E-08	2.9E-07
49	1.6E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.3E-07	1.7E-08	4.2E-08	5.8E-08	6.9E-08	3.2E-07
50	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
51	2.0E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.6E-09	1.6E-07	2.1E-08	5.3E-08	7.4E-08	8.8E-08	4.0E-07
52	2.5E-07	7.7E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.5E-09	2.0E-07	2.7E-08	6.8E-08	9.6E-08	1.1E-07	5.2E-07
53	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
54	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
55	3.2E-07	9.7E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.5E-08	8.7E-08	1.2E-07	1.4E-07	6.6E-07
56	3.0E-07	9.0E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.9E-09	2.4E-07	3.2E-08	8.0E-08	1.1E-07	1.3E-07	6.1E-07
57	2.8E-07	8.3E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.2E-09	2.2E-07	3.0E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
58	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
59	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	2.4E-08	6.1E-08	8.6E-08	1.0E-07	4.6E-07
60	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.2E-08	4.2E-07
61	1.9E-07	5.8E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.4E-09	1.5E-07	2.1E-08	5.1E-08	7.2E-08	8.5E-08	3.9E-07
62	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	8.0E-08	3.6E-07
63	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.4E-08	7.5E-08	3.4E-07
64	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
65	1.5E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.2E-07	1.7E-08	4.2E-08	5.8E-08	6.9E-08	3.2E-07
66	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.1E-08	7.2E-08	3.3E-07
67	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.3E-08	7.5E-08	3.4E-07
68	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.9E-08	3.6E-07
69	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
70	2.0E-07	6.0E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.6E-09	1.6E-07	2.1E-08	5.3E-08	7.5E-08	8.9E-08	4.0E-07
71	2.2E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.6E-08	4.4E-07
72	2.5E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.6E-08	6.6E-08	9.2E-08	1.1E-07	5.0E-07
73	3.1E-07	9.3E-07	4.9E-07	4.9E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.2E-07	1.4E-07	6.2E-07
74	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.5E-07
75	4.7E-07	1.4E-06	7.5E-07	7.5E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.6E-07
76	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07

77	BKGN	260191.84	4021953.3	260191.84, 4021	15.35575	15.64729	17.57731	0.01193	7.57E-05	9.63E-05	7.36E-04	1.47E-04	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.8E-08	1.4E-07	1.6E-07	7.4E-07
78	BKGN	260250.48	4021953.3	260250.48, 4021	13.06051	13.60502	16.34597	0.0108	6.44E-05	8.38E-05	6.84E-04	1.33E-04	9.66E-04	3.3E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.0E-08	1.3E-07	1.5E-07	6.8E-07
79	BKGN	260309.12	4021953.3	260309.12, 4021	10.37102	10.87712	15.5399	0.00893	5.11E-05	6.70E-05	6.51E-04	1.10E-04	8.79E-04	3.0E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.1E-07	1.4E-07	6.2E-07
80	BKGN	260367.76	4021953.3	260367.76, 4021	8.02208	8.40078	14.95765	0.00711	3.96E-05	5.17E-05	6.26E-04	8.77E-05	8.05E-04	2.8E-07	8.4E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.3E-09	2.2E-07	3.0E-08	7.5E-08	1.0E-07	1.2E-07	5.7E-07
81	BKGN	260426.4	4021953.3	260426.4, 40219	6.21396	6.47668	14.54115	0.00561	3.06E-05	3.99E-05	6.09E-04	6.92E-05	7.49E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.7E-09	2.1E-07	2.8E-08	7.0E-08	9.8E-08	1.2E-07	5.3E-07
82	BKGN	260485.04	4021953.3	260485.04, 4021	4.89061	5.07132	14.26501	0.00444	2.41E-05	3.12E-05	5.97E-04	5.48E-05	7.07E-04	2.4E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.6E-08	6.6E-08	9.2E-08	1.1E-07	5.0E-07
83	BKGN	260543.68	4021953.3	260543.68, 4021	3.93414	4.06108	14.03533	0.00356	1.94E-05	2.50E-05	5.88E-04	4.39E-05	6.76E-04	2.3E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.8E-09	1.9E-07	2.5E-08	6.3E-08	8.8E-08	1.0E-07	4.8E-07
84	BKGN	260602.32	4021953.3	260602.32, 4021	3.23349	3.32503	13.94625	0.00289	1.59E-05	2.05E-05	5.84E-04	3.56E-05	6.56E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	2.4E-08	6.1E-08	8.5E-08	1.0E-07	4.6E-07
85	BKGN	259429.52	4021996.82	259429.52, 4021	2.90294	2.82291	14.10593	0.00095	1.43E-05	1.74E-05	5.91E-04	1.17E-05	6.34E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.3E-08	9.8E-08	4.5E-07
86	BKGN	259488.16	4021996.82	259488.16, 4021	3.24955	3.14882	14.61811	0.00104	1.60E-05	1.94E-05	6.12E-04	1.28E-05	6.60E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.7E-07	7.6E-09	1.8E-07	2.5E-08	6.1E-08	8.6E-08	1.0E-07	4.7E-07
87	BKGN	259546.8	4021996.82	259546.8, 40219	3.63988	3.51394	15.18889	0.00113	1.79E-05	2.16E-05	6.36E-04	1.39E-05	6.90E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.4E-08	9.0E-08	1.1E-07	4.9E-07
88	BKGN	259605.44	4021996.82	259605.44, 4021	4.08358	3.92607	15.84428	0.0012	2.01E-05	2.42E-05	6.63E-04	1.48E-05	7.23E-04	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
89	BKGN	259664.08	4021996.82	259664.08, 4021	4.59314	4.39717	16.52742	0.0013	2.26E-05	2.71E-05	6.92E-04	1.60E-05	7.58E-04	2.6E-07	7.9E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	9.9E-08	1.2E-07	5.3E-07
90	BKGN	259722.72	4021996.82	259722.72, 4021	5.17977	4.939	17.32329	0.00145	2.55E-05	3.04E-05	7.25E-04	1.79E-05	7.99E-04	2.8E-07	8.4E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.2E-09	2.2E-07	3.0E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
91	BKGN	259781.36	4021996.82	259781.36, 4021	5.85959	5.55504	18.30121	0.0017	2.89E-05	3.42E-05	7.66E-04	2.10E-05	8.50E-04	2.9E-07	8.9E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
92	BKGN	259840	4021996.82	259840, 402199	6.85649	6.38258	19.55531	0.00204	3.38E-05	3.93E-05	8.19E-04	2.52E-05	9.17E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.5E-07
93	BKGN	259898.64	4021996.82	259898.64, 4021	8.65318	7.92734	21.51472	0.00253	4.27E-05	4.88E-05	9.01E-04	3.12E-05	1.02E-03	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
94	BKGN	259957.28	4021996.82	259957.28, 4021	11.35358	10.19675	25.38297	0.00363	5.60E-05	6.28E-05	1.06E-03	4.48E-05	1.23E-03	4.2E-07	1.3E-06	6.7E-07	6.7E-07	6.7E-07	3.1E-07	1.4E-08	3.4E-07	4.6E-08	1.1E-07	1.6E-07	1.9E-07	8.7E-07
95	BKGN	260015.92	4021996.82	260015.92, 4021	15.29933	13.62141	36.94796	0.00642	7.54E-05	8.39E-05	1.55E-03	7.92E-05	1.79E-03	6.2E-07	1.9E-06	9.8E-07	9.8E-07	9.8E-07	4.5E-07	2.1E-08	5.0E-07	6.6E-08	1.7E-07	2.3E-07	2.8E-07	1.3E-06
96	BKGN	260074.56	4021996.82	260074.56, 4021	19.00293	17.88039	34.95119	0.01096	9.37E-05	1.10E-04	1.46E-03	1.35E-04	1.80E-03	6.2E-07	1.9E-06	9.9E-07	9.9E-07	9.9E-07	4.5E-07	2.1E-08	5.0E-07	6.7E-08	1.7E-07	2.3E-07	2.8E-07	1.3E-06
97	BKGN	260133.2	4021996.82	260133.2, 40219	19.61433	19.69179	28.63683	0.01408	9.67E-05	1.21E-04	1.20E-03	1.74E-04	1.59E-03	5.5E-07	1.7E-06	8.7E-07	8.7E-07	8.7E-07	4.0E-07	1.8E-08	4.4E-07	5.9E-08	1.5E-07	2.1E-07	2.5E-07	1.1E-06
98	BKGN	260191.84	4021996.82	260191.84, 4021	17.08025	17.80198	26.48857	0.01369	8.42E-05	1.10E-04	1.11E-03	1.69E-04	1.47E-03	5.1E-07	1.5E-06	8.1E-07	8.1E-07	8.1E-07	3.7E-07	1.7E-08	4.1E-07	5.5E-08	1.4E-07	1.9E-07	2.3E-07	1.0E-06
99	BKGN	260250.48	4021996.82	260250.48, 4021	13.40321	14.14421	25.7065	0.01137	6.61E-05	8.71E-05	1.08E-03	1.40E-04	1.37E-03	4.7E-07	1.4E-06	7.5E-07	7.5E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.7E-07
100	BKGN	260309.12	4021996.82	260309.12, 4021	10.0846	10.62826	25.32177	0.00886	4.97E-05	6.54E-05	1.06E-03	1.09E-04	1.28E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.1E-07
101	BKGN	260367.76	4021996.82	260367.76, 4021	7.57622	7.93518	25.27408	0.00678	3.74E-05	4.89E-05	1.06E-03	8.36E-05	1.23E-03	4.3E-07	1.3E-06	6.7E-07	6.7E-07	6.7E-07	3.1E-07	1.4E-08	3.4E-07	4.6E-08	1.1E-07	1.6E-07	1.9E-07	8.7E-07
102	BKGN	260426.4	4021996.82	260426.4, 40219	5.80411	6.03884	25.46957	0.00522	2.86E-05	3.72E-05	1.07E-03	6.44E-05	1.20E-03	4.1E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.3E-07	4.5E-08	1.1E-07	1.6E-07	1.8E-07	8.4E-07
103	BKGN	260485.04	4021996.82	260485.04, 4021	4.56611	4.7239	25.86289	0.00407	2.25E-05	2.91E-05	1.08E-03	5.02E-05	1.18E-03	4.1E-07	1.2E-06	6.5E-07	6.5E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.5E-07	1.8E-07	8.4E-07
104	BKGN	260543.68	4021996.82	260543.68, 4021	3.6915	3.8015	26.42333	0.00324	1.82E-05	2.34E-05	1.11E-03	4.00E-05	1.19E-03	4.1E-07	1.2E-06	6.5E-07	6.5E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.5E-07	1.8E-07	8.4E-07
105	BKGN	260602.32	4021996.82	260602.32, 4021	3.05579	3.1349	27.1176	0.00264	1.51E-05	1.93E-05	1.14E-03	3.26E-05	1.20E-03	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.5E-07
106	BKGN	259429.52	4022040.34	259429.52, 4022	3.2305	3.14064	30.81324	0.00099	1.59E-05	1.93E-05	1.29E-03	1.22E-05	1.34E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	5.0E-08	1.2E-07	1.7E-07	2.1E-07	9.4E-07
107	BKGN	259488.16	4022040.34	259488.16, 4022	3.68727	3.56817	25.00387	0.0011	1.82E-05	2.20E-05	1.05E-03	1.36E-05	1.10E-03	3.8E-07	1.2E-06	6.0E-07	6.0E-07	6.0E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
108	BKGN	259546.8	4022040.34	259546.8, 40220	4.2111	4.0537	20.66685	0.00122	2.08E-05	2.50E-05	8.65E-04	1.50E-05	9.26E-04	3.2E-07	9.7E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
109	BKGN	259605.44	4022040.34	259605.44, 4022	4.81434	4.60829	20.31412	0.00134	2.37E-05	2.84E-05	8.51E-04	1.65E-05	9.19E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
110	BKGN	259664.08	4022040.34	259664.08, 4022	5.51307	5.24487	20.41921	0.00145	2.72E-05	3.23E-05	8.55E-04	1.79E-05	9.32E-04	3.2E-07	9.7E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.5E-08	8.7E-08	1.2E-07	1.4E-07	6.6E-07
111	BKGN	259722.72	4022040.34	259722.72, 4022	6.33805	5.99247	23.95615	0.00161	3.13E-05	3.69E-05	1.00E-03	1.99E-05	1.09E-03	3.8E-07	1.1E-06	6.0E-07	6.0E-07	6.0E-07	2.7E-07	1.3E-08	3.0E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.7E-07
112	BKGN	259781.36	4022040.34	259781.36, 4022	7.31659	6.86824	22.93771	0.00188	3.61E-05	4.23E-05	9.60E-04	2.32E-05	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	9.9E-08	1.4E-07	1.6E-07	7.5E-07
113	BKGN	259840	4022040.34	259840, 402204	8.72311	8.01094	22.55718	0.0023	4.30E-05	4.93E-05	9.45E-04	2.84E-05	1.07E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	9.9E-08	1.4E-07	1.6E-07	7.5E-07
114	BKGN	259898.64	4022040.34	259898.64, 4022	11.39604	10.22058	23.42473	0.00291	5.62E-05	6.29E-05	9.81E-04	3.59E-05	1.14E-03	3.9E-07	1.2E-06	6.2E-07	6.2E-07	6.2E-07	2.8E-07	1.3E-08	3.2E-07	4.2E-08	1.1E-07	1.5E-07	1.8E-07	8.0E-07
115	BKGN	259957.28	4022040.34	259957.28, 4022	15.79741	13.73885	26.75437	0.00444	7.79E-05	8.46E-05	1.12E-03	5.48E-05	1.34E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	5.0E-08	1.2E-07	1.7E-07	2.1E-07	9.4E-07
116	BKGN	260015.92	4022040.34	260015.92, 4022	21.77643	19.31361	28.42987	0.00883	1.07E-04	1.19E-04	1.19E-03	1.09E-04	1.53E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
117	BKGN	260074.56	4022040.34	260074.56, 4022	25.20368	24.47627	35.40143	0.01518	1.24E-04	1.51E-04	1.48E-03	1.87E-04	1.94E-03	6.7E-07	2.0E-06	1.1E-06	1.1E-06	1.1E-06	4.9E-07	2.2E-08	5.4E-07	7.2E-08	1.8E-07	2.5E-07	3.0E-07	1.4E-06
118	BKGN	260133.2	4022040.34	260133.2, 40220	23.09694	23.97237	27.10616	0.01736	1.14E-04	1.48E-04	1.14E-03	2.14E-04	1.61E-03	5.6E-07	1.7E-06	8.8E-07	8.8E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	6.0E-08	1.5E-07	2.1E-07	2.5E-07	1.1E-06
119	BKGN	260191.84	4022040.34	260191.84, 4022	18.01971	19.15948	23.64019	0.01491	8.89E-05	1.18E-04	9.90E-04	1.84E-04	1.38E-03	4.8E-07	1.4E-06	7.6E-07	7.6E-07	7.6E-07	3.5E-07	1.6E-08	3.9E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.7E-07
120	BKGN	260250.48	4022040.34	260250.48, 4022	13.12072	13.94584	21.58425	0.01136	6.47E-05	8.59E-05	9.04E-04	1.40E-04	1.19E-03	4.1E-07	1.2E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.6E-07	1.8E-07	8.4E-07
121	BKGN	260309.12	4022040.34	260309.12, 4022	9.48379	9.99427	23.79541	0.0084	4.68E-05	6.15E-05	9.96E-04	1.04E-04	1.21E-03	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.5E-07
122	BKGN	260367.76	4022040.34	260367.76, 4022	7.02305	7.33539	21.99352	0.00623	3.46E-05	4.52E-05	9.21E-04	7.68E-05	1.08E-03	3.7E-07	1.1E-06	5.9E-07	5.9E-07	5.9E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	1.0E-07	1.4E-07	1.7E-07	7.6E-07
123	BKGN	260426.4	4022040.34	260426.4, 40220	5.3815	5.58063	24.46352	0.00471	2.65E-05	3.44E-05	1.02E-03	5.81E-05	1.14E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
124	BKGN	260485.04	4022040.34	260485.04, 4022	4.26369	4.39699	22.68855	0.00366	2.10E-05	2.71E-05	9.50E-04	4.51E-05	1.04E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.7E-08	1.4E-07	1.6E-07	7.4E-07
125	BKGN	260543.68	4022040.34	260543.68, 4022	3.47756	3.57093	21.09082	0.00292	1.71E-05	2.20E-05	8.83E-04	3.60E-05	9.58E-04	3.3E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	8.9E-08	1.2E-07	1.5E-07	6.8E-07
126	BKGN	260602.32	4022040.34	260602.32, 4022	2.90562	2.97391	19.58799	0.0024	1.43E-05	1.83E-05	8.20E-04	2.96E-05	8.82E-04	3.1E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.2E-07	1.4E-07	6.2E-07
127	BKGN	259429.52	4022083.86	259429.52, 4022	3.55632	3.45804	16.34319	0.00102	1.75E-05	2.13E-05	6.84E-04	1.26E-05	7.36E-04	2.5E-07	7.7E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.5E-09	2.1E-07	2.7E-08	6.8E-08	9.6E-08	1.1E-07	5.2E-07
128	BKGN	259488.16	4022083.86	259488.16, 4022	4.15913	4.02499	15.8854	0.00115	2.05E-05	2.48E-05	6.65E-04	1.42E-05	7.25E-04	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
129	BKGN	259546.8	4022083.86	259546.8, 40220	4.87589	4.68655	15.50529	0.00131	2.40E-05	2.89E-05	6.49E-04	1.62E-05	7.18E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
130	BKGN	259605.44	4022083.86	259605.44, 4022	5.72622	5.45818	15.22254	0.00148	2.82E-05	3.36E-05	6.37E-04	1.83E-05	7.17E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
131	BKGN	259664.08	4022083.86	259664.08, 4022	6.72484	6.35217	14.88442	0.00163	3.32E-05	3.91E-05	6.23E-04	2.01E-05	7.16E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.3E-08	1.1E-07	5.1E-07
132	BKGN	259722.72	4022083.86	259722.72, 4022	7.95738	7.44128	15.03132	0.00181	3.92E-05	4.58E-05	6.29E-04	2.23E-05	7.37E-04	2.6E-07	7.7E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.5E-09	2.1E-07	2.7E-08	6.9E-08	9.6E-08	1.1E-07	5.2E-07
133	BKGN	259781.36	4022083.86	259781.36, 4022	9.44246	8.73748	15.2304	0.00211	4.66E-05	5.38E-05	6.38E-04	2.60E-05	7.64E-04	2.6E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	1.0E-07	1.2E-07	5.4E-07
134	BKGN	259840	4022083.86	259840, 402208	11.56072	10.41241	15.77953	0.0026	5.70E-05	6.41E-05	6.61E-04	3.21E-05	8.14E-04	2.8E-07	8.5E-07	4.5E-07	4.5E-07	4.5E-07	2.0E-07	9.4E-09	2.3E-07	3.0E-08	7.6E-08	1.1E-07	1.3E-07	5.7E-07
135	BKGN	259898.64	4022083.86	259898.64, 4022	15.86661	13.76194	16.99612	0.00336	7.82E-05	8.47E-05	7.12E-04	4.14E-05	9.16E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.5E-07
136	BKGN	259957.28	4022083.86	259957.28, 4022	23.64137	19.70031	20.25605	0.00557	1.17E-04	1.21E-04	8.48E-04	6.87E-05	1.15E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
137	BKGN	260015.92	4022083.86	260015.92, 4022	31.92789	28.88975	25.81642	0.01288	1.57E-04	1.78E-04	1.08E-03	1.59E-04	1.58E-03	5.5E-07	1.6E-06	8.6E-07	8.6E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	5.9E-08	1.5E-07	2.1E-07	2.4E-07	1.1E-06
138	BKGN	260074.56	4022083.86	260074.56, 4022	32.37501	33	28.834	0.0207	1.60E-04	2.03E-04	1.21E-03	2.55E-04	1.83E-03	6.3E-07	1.9E-06	1.0E-06	1.0E-06	1.0E-06	4.6E-07	2.1E-08	5.1E-07	6.8E-08	1.7E-07	2.4E-07	2.8E-07	1.3E-06
139	BKGN	260133.2	4022083.86	260133.2, 40220	25.51738	27.36585	20.81172	0.02002	1.26E-04	1.68E-04	8.71E-04	2.47E-04	1.41E-03	4.9E-07	1.5E-06	7.7E-07	7.7E-07	7.7E-07	3.5E-07	1.6E-08	3.9E-07	5.3E-08	1.3E-07	1.8E-07	2.2E-07	1.0E-06
140	BKGN	260191.84	4022083.86	260191.84, 4022	17.85096	19.19897	17.29313	0.0151	8.80E-05	1.18E-04	7.24E-04	1.86E-04	1.12E-03	3.9E-07	1.2E-06	6.1E-07	6.1E-07	6.1E-07	2.8E-07	1.3E-08	3.1E-07	4.2E-08	1.0E-07	1.5E-07	1.7E-07	7.9E-07
141	BKGN	260250.48	4022083.86	260250.48, 4022	12.282	13.0465	15.11371	0.01069	6.06E-05	8.03E-05	6.33E-04	1.32E-04	9.06E-04	3.1E-07	9.5E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.0E-08	2.5E-07	3.4E-08	8.4E-08	1.2E-07	1.4E-07	6.4E-07
142	BKGN	260309.12	4022083.86	260309.12, 4022	8.70656	9.13423	13.60816	0.00755	4.29E-05	5.62E-05	5.70E-04	9.31E-05	7.62E-04	2.6E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	9.9E-08	1.2E-07	5.4E-07
143	BKGN	260367.76	4022083.86	260367.76, 4022	6.45588	6.71091	12.45183	0.00549	3.18E-05	4.13E-05	5.21E-04	6.77E-05	6.62E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.7E-07	7.7E-09	1.8E-07	2.5E-08	6.2E-08	8.6E-08	1.0E-07	4.7E-07
144	BKGN	260426.4	4022083.86	260426.4, 40220	4.99523	5.1587	11.50274	0.00415	2.46E-05	3.18E-05	4.82E-04	5.12E-05	5.89E-04	2.0E-07	6.2E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.7E-08	9.1E-08	4.2E-07
145	BKGN	260485.04	4022083.86	260485.04, 4022	4.00429	4.11611	10.78238	0.00324	1.97E-05	2.53E-05	4.51E-04	4.00E-05	5.37E-04	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
146	BKGN	260543.68	4022083.86	260543.68, 4022	3.30244	3.38358	10.13621	0.00262	1.63E-05	2.08E-05	4.24E-04	3.23E-05	4.94E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
147	BKGN	260602.32	4022083.86	260602.32, 4022	2.78586	2.84777	9.53677	0.00218	1.37E-05	1.75E-05	3.99E-04	2.69E-05	4.57E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.2E-07
148	BKGN	259429.52	4022127.38	259429.52, 4022	3.84688	3.7369	8.48737	0.00106	1.90E-05	2.30E-05	3.55E-04	1.31E-05	4.10E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
149	BKGN	259488.16	4022127.38	259488.16, 4022	4.61695	4.46899	8.55022	0.0012	2.28E-05	2.75E-05	3.58E-04	1.48E-05	4.23E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
150	BKGN	259546.8	4022127.38	259546.8, 40221	5.59198	5.37811	8.65544	0.00138	2.76E-05	3.31E-05	3.62E-04	1.70E-05	4.40E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
151	BKGN	259605.44	4022127.38	259605.44, 4022	6.81846	6.48838	8.8261	0.0016	3.36E-05	3.99E-05	3.70E-04	1.97E-05	4.63E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.3E-07
152	BKGN	259664.08	4022127.38	259664.08, 4022	8.35327	7.83482	9.09211	0.00185	4.12E-05	4.82E-05	3.81E-04	2.28E-05	4.93E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
153	BKGN	259722.72	4022127.38	259722.72, 4022	10.28416	9.48602	9.50453	0.0021	5.07E-05	5.84E-05	3.98E-04	2.59E-05	5.33E-04	1.8E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	6.9E-08	8.2E-08	3.8E-07
154	BKGN	259781.36	4022127.38	259781.36, 4022	12.73443	11.53247	10.13705	0.0024	6.28E-05	7.10E-05	4.24E-04	2.96E-05	5.88E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.7E-08	9.1E-08	4.1E-07
155	BKGN	259840	4022127.38	259840, 402212	16.24061	14.19277	11.11795	0.00294	8.01E-05	8.74E-05	4.66E-04	3.63E-05	6.69E-04	2.3E-07	7.0E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.7E-09	1.9E-07	2.5E-08	6.2E-08	8.7E-08	1.0E-07	4.7E-07
156	BKGN	259898.64	4022127.38	259898.64, 4022	24.0845	19.69265	12.86735	0.00384	1.19E-04	1.21E-04	5.39E-04	4.74E-05	8.26E-04	2.9E-07	8.6E-07	4.5E-07	4.5E-07	4.5E-07	2.1E-07	9.5E-09	2.3E-07	3.1E-08	7.7E-08	1.1E-07	1.3E-07	5.8E-07
157	BKGN	259957.28	4022127.38	259957.28, 4022	38.64623	30.90724	16.82013	0.00711	1.91E-04	1.90E-04	7.04E-04	8.77E-05	1.17E-03	4.1E-07	1.2E-06	6.4E-07	6.4E-07	6.4E-07	2.9E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.5E-07	1.8E-07	8.3E-07
158	BKGN	260015.92	4022127.38	260015.92, 4022	46.81179	44.96778	22.41129	0.01971	2.31E-04	2.77E-04	9.38E-04	2.43E-04	1.69E-03	5.8E-07	1.8E-06	9.3E-07	9.3E-07	9.3E-07	4.2E-07	2.0E-08	4.7E-07	6.3E-08	1.6E-07	2.2E-07	2.6E-07	1.2E-06
159	BKGN	260074.56	4022127.38	260074.56, 4022	38.80694	41.88246	25.69823	0.02658	1.91E-04	2.58E-04	1.08E-03	3.28E-04	1.85E-03	6.4E-07	1.9E-06	1.0E-06	1.0E-06	1.0E-06	4.6E-07	2.1E-08	5.2E-07	6.9E-08	1.7E-07	2.4E-07	2.9E-07	1.3E-06
160	BKGN	260133.2	4022127.38	260133.2, 40221	25.93652	28.38691	17.1727	0.02081	1.28E-04	1.75E-04	7.19E-04	2.57E-04	1.28E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.0E-07
161	BKGN	260191.84	4022127.38	260191.84, 4022	16.63037	17.85452	13.54967	0.01397	8.20E-05	1.10E-04	5.67E-04	1.72E-04	9.32E-04	3.2E-07	9.7E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.5E-08	8.7E-08	1.2E-07	1.4E-07	6.6E-07
162	BKGN	260250.48	4022127.38	260250.48, 4022	11.13691	11.74184	11.48173	0.0093	5.49E-05	7.23E-05	4.81E-04	1.15E-04	7.23E-04	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
163	BKGN	260309.12	4022127.38	260309.12, 4022	7.92023	8.25262	10.10398	0.00644	3.91E-05	5.08E-05	4.23E-04	7.94E-05	5.92E-04	2.1E-07	6.2E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.7E-07	2.2E-08	5.5E-08	7.7E-08	9.1E-08	4.2E-07
164	BKGN	260367.76	4022127.38	260367.76, 4022	5.95491	6.15906	9.08241	0.0047	2.94E-05	3.79E-05	3.80E-04	5.80E-05	5.06E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
165	BKGN	260426.4	4022127.38	260426.4, 40221	4.67702	4.81464	8.31559	0.0036	2.31E-05	2.96E-05	3.48E-04	4.44E-05	4.45E-04	1.5E-07	4.7E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.7E-08	4.1E-08	5.8E-08	6.9E-08	3.1E-07

166	BKGN	260485.04	4022127.38	260485.04, 4022	3.79902	3.89874	7.69148	0.00287	1.87E-05	2.40E-05	3.22E-04	3.54E-05	4.00E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.2E-08	6.2E-08	2.8E-07
167	BKGN	260543.68	4022127.38	260543.68, 4022	3.16519	3.24144	7.16727	0.00235	1.56E-05	2.00E-05	3.00E-04	2.90E-05	3.65E-04	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.1E-08	4.2E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.6E-08	2.6E-07
168	BKGN	260602.32	4022127.38	260602.32, 4022	2.69133	2.75186	6.68801	0.00198	1.33E-05	1.69E-05	2.80E-04	2.44E-05	3.35E-04	1.2E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.4E-08	3.9E-09	9.3E-08	1.2E-08	3.1E-08	4.4E-08	5.2E-08	2.4E-07
169	BKGN	259429.52	4022170.9	259429.52, 4022	4.0805	3.95156	6.06329	0.00111	2.01E-05	2.43E-05	2.54E-04	1.37E-05	3.12E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	7.8E-08	3.6E-09	8.7E-08	1.2E-08	2.9E-08	4.1E-08	4.8E-08	2.2E-07
170	BKGN	259488.16	4022170.9	259488.16, 4022	5.00978	4.83813	6.22825	0.00126	2.47E-05	2.98E-05	2.61E-04	1.55E-05	3.31E-04	1.1E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.3E-08	3.8E-09	9.2E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
171	BKGN	259546.8	4022170.9	259546.8, 40221	6.26884	6.02783	6.43622	0.00146	3.09E-05	3.71E-05	2.70E-04	1.80E-05	3.56E-04	1.2E-07	3.7E-07	2.0E-07	2.0E-07	2.0E-07	8.9E-08	4.1E-09	9.9E-08	1.3E-08	3.3E-08	4.6E-08	5.5E-08	2.5E-07
172	BKGN	259605.44	4022170.9	259605.44, 4022	7.99315	7.61837	6.71861	0.00172	3.94E-05	4.69E-05	2.81E-04	2.12E-05	3.89E-04	1.3E-07	4.1E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.1E-08	6.0E-08	2.7E-07
173	BKGN	259664.08	4022170.9	259664.08, 4022	10.37017	9.70901	7.12014	0.00205	5.11E-05	5.98E-05	2.98E-04	2.53E-05	4.34E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.7E-08	6.7E-08	3.1E-07
174	BKGN	259722.72	4022170.9	259722.72, 4022	13.6514	12.41666	7.7177	0.00244	6.73E-05	7.64E-05	3.23E-04	3.01E-05	4.97E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.9E-08	4.6E-08	6.5E-08	7.7E-08	3.5E-07
175	BKGN	259781.36	4022170.9	259781.36, 4022	18.20052	15.95746	8.62466	0.00281	8.97E-05	9.82E-05	3.61E-04	3.47E-05	5.84E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	9.0E-08	4.1E-07
176	BKGN	259840	4022170.9	259840, 402217	24.96351	20.70117	10.00313	0.0033	1.23E-04	1.27E-04	4.19E-04	4.07E-05	7.10E-04	2.5E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.6E-08	6.6E-08	9.3E-08	1.1E-07	5.0E-07
177	BKGN	259898.64	4022170.9	259898.64, 4022	42.57956	30.87901	12.61348	0.00428	2.10E-04	1.90E-04	5.28E-04	5.28E-05	9.81E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.5E-07	1.1E-08	2.7E-07	3.7E-08	9.1E-08	1.3E-07	1.5E-07	6.9E-07
178	BKGN	259957.28	4022170.9	259957.28, 4022	68.19285	55.15496	17.47973	0.0093	3.36E-04	3.40E-04	7.32E-04	1.15E-04	1.52E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.3E-07	1.1E-06
179	BKGN	260015.92	4022170.9	260015.92, 4022	64.89349	69.01624	22.5577	0.02922	3.20E-04	4.25E-04	9.45E-04	3.60E-04	2.05E-03	7.1E-07	2.1E-06	1.1E-06	1.1E-06	1.1E-06	5.1E-07	2.4E-08	5.7E-07	7.6E-08	1.9E-07	2.7E-07	3.2E-07	1.4E-06
180	BKGN	260074.56	4022170.9	260074.56, 4022	41.49994	46.70252	25.06203	0.02913	2.05E-04	2.88E-04	1.05E-03	3.59E-04	1.90E-03	6.6E-07	2.0E-06	1.0E-06	1.0E-06	1.0E-06	4.8E-07	2.2E-08	5.3E-07	7.1E-08	1.8E-07	2.5E-07	2.9E-07	1.3E-06
181	BKGN	260133.2	4022170.9	260133.2, 40221	24.09973	26.26453	15.60027	0.01874	1.19E-04	1.62E-04	6.53E-04	2.31E-04	1.16E-03	4.0E-07	1.2E-06	6.4E-07	6.4E-07	6.4E-07	2.9E-07	1.3E-08	3.3E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.2E-07
182	BKGN	260191.84	4022170.9	260191.84, 4022	14.83797	15.72382	11.92824	0.01147	7.32E-05	9.68E-05	4.99E-04	1.41E-04	8.11E-04	2.8E-07	8.5E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.4E-09	2.3E-07	3.0E-08	7.5E-08	1.1E-07	1.3E-07	5.7E-07
183	BKGN	260250.48	4022170.9	260250.48, 4022	10.00263	10.44606	9.87016	0.00753	4.93E-05	6.43E-05	4.13E-04	9.29E-05	6.20E-04	2.1E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.6E-08	4.4E-07
184	BKGN	260309.12	4022170.9	260309.12, 4022	7.25501	7.5192	8.50545	0.0053	3.58E-05	4.63E-05	3.56E-04	6.54E-05	5.04E-04	1.7E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
185	BKGN	260367.76	4022170.9	260367.76, 4022	5.55788	5.73544	7.54249	0.00397	2.74E-05	3.53E-05	3.16E-04	4.90E-05	4.28E-04	1.5E-07	4.5E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
186	BKGN	260426.4	4022170.9	260426.4, 40221	4.43091	4.55974	6.82154	0.00312	2.18E-05	2.81E-05	2.86E-04	3.85E-05	3.74E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.6E-07
187	BKGN	260485.04	4022170.9	260485.04, 4022	3.63753	3.73551	6.24928	0.00252	1.79E-05	2.30E-05	2.62E-04	3.11E-05	3.34E-04	1.2E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.4E-08	3.9E-09	9.3E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.4E-07
188	BKGN	260543.68	4022170.9	260543.68, 4022	3.05423	3.13106	5.75718	0.00209	1.51E-05	1.93E-05	2.41E-04	2.58E-05	3.01E-04	1.0E-07	3.1E-07	1.7E-07	1.7E-07	1.7E-07	7.5E-08	3.5E-09	8.4E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
189	BKGN	260602.32	4022170.9	260602.32, 4022	2.60927	2.67071	5.31462	0.00176	1.29E-05	1.64E-05	2.23E-04	2.17E-05	2.74E-04	9.5E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	6.8E-08	3.2E-09	7.6E-08	1.0E-08	2.5E-08	3.6E-08	4.2E-08	1.9E-07
190	BKGN	259429.52	4022214.42	259429.52, 4022	4.26247	4.11323	4.89935	0.00119	2.10E-05	2.53E-05	2.05E-04	1.47E-05	2.66E-04	9.2E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.7E-08	3.1E-09	7.4E-08	9.9E-09	2.5E-08	3.5E-08	4.1E-08	1.9E-07
191	BKGN	259488.16	4022214.42	259488.16, 4022	5.31454	5.10829	5.11135	0.00135	2.62E-05	3.14E-05	2.14E-04	1.67E-05	2.88E-04	1.0E-07	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.2E-08	3.3E-09	8.1E-08	1.1E-08	2.7E-08	3.8E-08	4.4E-08	2.0E-07
192	BKGN	259546.8	4022214.42	259546.8, 40222	6.82145	6.52773	5.37246	0.00156	3.36E-05	4.02E-05	2.25E-04	1.92E-05	3.18E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	8.0E-08	3.7E-09	8.9E-08	1.2E-08	3.0E-08	4.1E-08	4.9E-08	2.2E-07
193	BKGN	259605.44	4022214.42	259605.44, 4022	9.05847	8.61632	5.72065	0.00184	4.47E-05	5.30E-05	2.40E-04	2.27E-05	3.60E-04	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.4E-08	4.7E-08	5.6E-08	2.5E-07
194	BKGN	259664.08	4022214.42	259664.08, 4022	12.52359	11.76145	6.22018	0.00223	6.18E-05	7.24E-05	2.60E-04	2.75E-05	4.22E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
195	BKGN	259722.72	4022214.42	259722.72, 4022	18.14097	16.46717	6.98281	0.00275	8.94E-05	1.01E-04	2.92E-04	3.39E-05	5.17E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	8.0E-08	3.6E-07
196	BKGN	259781.36	4022214.42	259781.36, 4022	27.74405	23.35884	8.22929	0.00331	1.37E-04	1.44E-04	3.45E-04	4.08E-05	6.66E-04	2.3E-07	7.0E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.7E-09	1.9E-07	2.5E-08	6.2E-08	8.7E-08	1.0E-07	4.7E-07
197	BKGN	259840	4022214.42	259840, 402221	45.02454	33.45477	10.67232	0.00372	2.22E-04	2.06E-04	4.47E-04	4.59E-05	9.21E-04	3.2E-07	9.6E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
198	BKGN	259898.64	4022214.42	259898.64, 4022	101.20518	56.40106	17.47259	0.0045	4.99E-04	3.47E-04	7.32E-04	5.55E-05	1.63E-03	5.7E-07	1.7E-06	9.0E-07	9.0E-07	9.0E-07	4.1E-07	1.9E-08	4.6E-07	6.1E-08	1.5E-07	2.1E-07	2.5E-07	1.2E-06
199	BKGN	259957.28	4022214.42	259957.28, 4022	123.69881	114.72535	22.59949	0.01291	6.10E-04	7.06E-04	9.46E-04	1.59E-04	2.42E-03	8.4E-07	2.5E-06	1.3E-06	1.3E-06	1.3E-06	6.1E-07	2.8E-08	6.8E-07	9.0E-08	2.3E-07	3.2E-07	3.7E-07	1.7E-06
200	BKGN	260015.92	4022214.42	260015.92, 4022	77.68398	91.59352	25.75633	0.03524	3.83E-04	5.64E-04	1.08E-03	4.35E-04	2.46E-03	8.5E-07	2.6E-06	1.3E-06	1.3E-06	1.3E-06	6.2E-07	2.8E-08	6.9E-07	9.2E-08	2.3E-07	3.2E-07	3.8E-07	1.7E-06
201	BKGN	260074.56	4022214.42	260074.56, 4022	38.67897	43.10985	24.47403	0.02429	1.91E-04	2.65E-04	1.02E-03	3.00E-04	1.78E-03	6.2E-07	1.9E-06	9.8E-07	9.8E-07	9.8E-07	4.5E-07	2.1E-08	5.0E-07	6.6E-08	1.7E-07	2.3E-07	2.7E-07	1.3E-06
202	BKGN	260133.2	4022214.42	260133.2, 40222	21.01856	22.37418	14.63094	0.01383	1.04E-04	1.38E-04	6.13E-04	1.71E-04	1.02E-03	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
203	BKGN	260191.84	4022214.42	260191.84, 4022	13.10702	13.72576	11.00733	0.00855	6.46E-05	8.45E-05	4.61E-04	1.05E-04	7.15E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.3E-08	1.1E-07	5.0E-07
204	BKGN	260250.48	4022214.42	260250.48, 4022	9.08294	9.4495	8.91218	0.00585	4.48E-05	5.82E-05	3.73E-04	7.22E-05	5.48E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	2.0E-08	5.1E-08	7.1E-08	8.5E-08	3.9E-07
205	BKGN	260309.12	4022214.42	260309.12, 4022	6.74189	6.98733	7.56191	0.0043	3.32E-05	4.30E-05	3.17E-04	5.30E-05	4.46E-04	1.5E-07	4.7E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.2E-09	1.2E-07	1.7E-08	4.2E-08	5.8E-08	6.9E-08	3.1E-07
206	BKGN	260367.76	4022214.42	260367.76, 4022	5.24939	5.42474	6.63167	0.00332	2.59E-05	3.34E-05	2.78E-04	4.09E-05	3.78E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.7E-07
207	BKGN	260426.4	4022214.42	260426.4, 40222	4.2305	4.36052	5.94313	0.00265	2.09E-05	2.68E-05	2.49E-04	3.27E-05	3.29E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.2E-08	3.8E-09	9.2E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
208	BKGN	260485.04	4022214.42	260485.04, 4022	3.4972	3.59619	5.39546	0.00216	1.72E-05	2.21E-05	2.26E-04	2.66E-05	2.92E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
209	BKGN	260543.68	4022214.42	260543.68, 4022	2.95019	3.0272	4.91243	0.0018	1.45E-05	1.86E-05	2.06E-04	2.22E-05	2.61E-04	9.0E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	9.7E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
210	BKGN	260602.32	4022214.42	260602.32, 4022	2.52766	2.58857	4.48243	0.00152	1.25E-05	1.59E-05	1.88E-04	1.87E-05	2.35E-04	8.1E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	5.9E-08	2.7E-09	6.6E-08	8.7E-09	2.2E-08	3.1E-08	3.6E-08	1.7E-07
211	BKGN	259429.52	4022257.94	259429.52, 4022	4.41185	4.25378	4.23336	0.00129	2.18E-05	2.62E-05	1.77E-04	1.59E-05	2.41E-04	8.3E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	6.0E-08	2.8E-09	6.7E-08	9.0E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
212	BKGN	259488.16	4022257.94	259488.16, 4022	5.54953	5.32079	4.48214	0.00148	2.74E-05	3.28E-05	1.88E-04	1.83E-05	2.66E-04	9.2E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.7E-08	3.1E-09	7.4E-08	9.9E-09	2.5E-08	3.5E-08	4.1E-08	1.9E-07
213	BKGN	259546.8	4022257.94	259546.8, 40222	7.23336	6.88696	4.79012	0.00172	3.57E-05	4.24E-05	2.01E-04	2.12E-05	3.00E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.5E-08	3.5E-09	8.4E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
214	BKGN	259605.44	4022257.94	259605.44, 4022	9.87925	9.32494	5.20734	0.00204	4.87E-05	5.74E-05	2.18E-04	2.52E-05	3.49E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
215	BKGN	259664.08	4022257.94	259664.08, 4022	14.37048	13.41016	5.81497	0.00247	7.09E-05	8.26E-05	2.43E-04	3.05E-05	4.27E-04	1.5E-07	4.5E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
216	BKGN	259722.72	4022257.94	259722.72, 4022	22.84899	20.86077	6.74039	0.00307	1.13E-04	1.28E-04	2.82E-04	3.79E-05	5.61E-04	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
217	BKGN	259781.36	4022257.94	259781.36, 4022	42.09643	35.39124	8.24931	0.00378	2.08E-04	2.18E-04	3.45E-04	4.66E-05	8.17E-04	2.8E-07	8.5E-07	4.5E-07	4.5E-07	4.5E-07	2.0E-07	9.4E-09	2.3E-07	3.0E-08	7.6E-08	1.1E-07	1.3E-07	5.8E-07
218	BKGN	259840	4022257.94	259840, 402225	111.72105	63.51734	12.9656	0.00428	5.51E-04	3.91E-04	5.43E-04	5.28E-05	1.54E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
219	BKGN	259898.64	4022257.94	259898.64, 4022	269.88648	139.45291	24.47493	0.00411	1.33E-03	8.59E-04	1.02E-03	5.07E-05	3.26E-03	1.1E-06	3.4E-06	1.8E-06	1.8E-06	1.8E-06	8.2E-07	3.8E-08	9.1E-07	1.2E-07	3.0E-07	4.3E-07	5.0E-07	2.3E-06
220	BKGN	259957.28	4022257.94	259957.28, 4022	200.16257	245.7147	30.93821	0.01952	9.87E-04	1.51E-03	1.30E-03	2.41E-04	4.04E-03	1.4E-06	4.2E-06	2.2E-06	2.2E-06	2.2E-06	1.0E-06	4.7E-08	1.1E-06	1.5E-07	3.8E-07	5.3E-07	6.2E-07	2.8E-06
221	BKGN	260015.92	4022257.94	260015.92, 4022	74.29568	85.90004	26.74138	0.0248	3.66E-04	5.29E-04	1.12E-03	3.06E-04	2.32E-03	8.0E-07	2.4E-06	1.3E-06	1.3E-06	1.3E-06	5.8E-07	2.7E-08	6.5E-07	8.6E-08	2.2E-07	3.0E-07	3.6E-07	1.6E-06
222	BKGN	260074.56	4022257.94	260074.56, 4022	32.55425	34.72656	23.48727	0.01411	1.61E-04	2.14E-04	9.83E-04	1.74E-04	1.53E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
223	BKGN	260133.2	4022257.94	260133.2, 40222	18.1242	19.08189	14.03555	0.00888	8.94E-05	1.17E-04	5.88E-04	1.10E-04	9.04E-04	3.1E-07	9.4E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.0E-08	2.5E-07	3.4E-08	8.4E-08	1.2E-07	1.4E-07	6.4E-07
224	BKGN	260191.84	4022257.94	260191.84, 4022	11.76991	12.3293	10.35421	0.00609	5.80E-05	7.59E-05	4.34E-04	7.51E-05	6.43E-04	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	9.9E-08	4.5E-07
225	BKGN	260250.48	4022257.94	260250.48, 4022	8.37948	8.73837	8.23903	0.00445	4.13E-05	5.38E-05	3.45E-04	5.49E-05	4.95E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.5E-08	7.6E-08	3.5E-07
226	BKGN	260309.12	4022257.94	260309.12, 4022	6.32872	6.57182	6.92262	0.00338	3.12E-05	4.05E-05	2.90E-04	4.17E-05	4.03E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.2E-08	2.8E-07
227	BKGN	260367.76	4022257.94	260367.76, 4022	4.98161	5.15309	6.03496	0.00266	2.46E-05	3.17E-05	2.53E-04	3.28E-05	3.42E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.6E-08	4.0E-09	9.5E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
228	BKGN	260426.4	4022257.94	260426.4, 40222	4.04239	4.16754	5.37492	0.00215	1.99E-05	2.57E-05	2.25E-04	2.65E-05	2.97E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
229	BKGN	260485.04	4022257.94	260485.04, 4022	3.35826	3.45227	4.82039	0.00177	1.66E-05	2.13E-05	2.02E-04	2.18E-05	2.61E-04	9.1E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	9.7E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
230	BKGN	260543.68	4022257.94	260543.68, 4022	2.84184	2.91424	4.33517	0.00149	1.40E-05	1.79E-05	1.82E-04	1.84E-05	2.32E-04	8.0E-08	2.4E-07	1.3E-07	1.3E-07	1.3E-07	5.8E-08	2.7E-09	6.5E-08	8.6E-09	2.2E-08	3.0E-08	3.6E-08	1.6E-07
231	BKGN	260602.32	4022257.94	260602.32, 4022	2.44168	2.49866	3.90782	0.00127	1.20E-05	1.54E-05	1.64E-04	1.57E-05	2.07E-04	7.2E-08	2.2E-07	1.1E-07	1.1E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	7.7E-09	1.9E-08	2.7E-08	3.2E-08	1.5E-07
232	BKGN	259429.52	4022301.46	259429.52, 4022	4.52967	4.37643	3.82451	0.00144	2.23E-05	2.69E-05	1.60E-04	1.78E-05	2.27E-04	7.9E-08	2.4E-07	1.2E-07	1.2E-07	1.2E-07	5.7E-08	2.6E-09	6.3E-08	8.5E-09	2.1E-08	3.0E-08	3.5E-08	1.6E-07
233	BKGN	259488.16	4022301.46	259488.16, 4022	5.72455	5.50089	4.11408	0.00166	2.82E-05	3.39E-05	1.72E-04	2.05E-05	2.55E-04	8.8E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.4E-08	2.9E-09	7.1E-08	9.5E-09	2.4E-08	3.3E-08	3.9E-08	1.8E-07
234	BKGN	259546.8	4022301.46	259546.8, 40223	7.51721	7.17081	4.47864	0.00195	3.71E-05	4.41E-05	1.88E-04	2.41E-05	2.93E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
235	BKGN	259605.44	4022301.46	259605.44, 4022	10.4052	9.82437	4.98926	0.00234	5.13E-05	6.05E-05	2.09E-04	2.89E-05	3.50E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
236	BKGN	259664.08	4022301.46	259664.08, 4022	15.54962	14.4638	5.75874	0.00288	7.67E-05	8.90E-05	2.41E-04	3.55E-05	4.42E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.8E-08	6.8E-08	3.1E-07
237	BKGN	259722.72	4022301.46	259722.72, 4022	26.21532	23.82928	6.87117	0.00362	1.29E-04	1.47E-04	2.88E-04	4.46E-05	6.08E-04	2.1E-07	6.4E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	7.0E-09	1.7E-07	2.3E-08	5.7E-08	7.9E-08	9.4E-08	4.3E-07
238	BKGN	259781.36	4022301.46	259781.36, 4022	54.89673	47.82715	8.3901	0.00449	2.71E-04	2.94E-04	3.51E-04	5.54E-05	9.72E-04	3.4E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.0E-08	1.3E-07	1.5E-07	6.9E-07
239	BKGN	259840	4022301.46	259840, 402230	198.89496	141.05699	11.22569	0.00507	9.81E-04	8.68E-04	4.70E-04	6.25E-05	2.38E-03	8.2E-07	2.5E-06	1.3E-06	1.3E-06	1.3E-06	6.0E-07	2.8E-08	6.7E-07	8.9E-08	2.2E-07	3.1E-07	3.7E-07	1.7E-06
240	BKGN	259898.64	4022301.46	259898.64, 4022	501.75866	756.3097	16.10454	0.00324	2.47E-03	4.66E-03	6.74E-04	4.00E-05	7.84E-03	2.7E-06	8.2E-06	4.3E-06	4.3E-06	4.3E-06	2.0E-06	9.1E-08	2.2E-06	2.9E-07	7.3E-07	1.0E-06	1.2E-06	5.5E-06
241	BKGN	259957.28	4022301.46	259957.28, 4022	214.01152	266.61422	19.57161	0.02013	1.06E-03	1.64E-03	8.20E-04	2.48E-04	3.76E-03	1.3E-06	3.9E-06	2.1E-06	2.1E-06	2.1E-06	9.4E-07	4.4E-08	1.1E-06	1.4E-07	3.5E-07	4.9E-07	5.8E-07	2.7E-06
242	BKGN	260015.92	4022301.46	260015.92, 4022	58.759	62.41007	20.9351	0.00872	2.90E-04	3.84E-04	8.77E-04	1.08E-04	1.66E-03	5.7E-07	1.7E-06	9.1E-07	9.1E-07	9.1E-07	4.1E-07	1.9E-08	4.6E-07	6.2E-08	1.5E-07	2.2E-07	2.6E-07	1.2E-06
243	BKGN	260074.56	4022301.46	260074.56, 4022	27.00572	28.66797	22.97931	0.00721	1.33E-04	1.76E-04	9.62E-04	8.89E-05	1.36E-03	4.7E-07	1.4E-06	7.5E-07	7.5E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.6E-07
244	BKGN	260133.2	4022301.46	260133.2, 40223	15.99434	16.86896	13.62809	0.0055	7.89E-05	1.04E-04	5.71E-04	6.78E-05	8.21E-04	2.8E-07	8.6E-07	4.5E-07	4.5E-07	4.5E-07	2.1E-07	9.5E-09	2.3E-07	3.1E-08	7.6E-08	1.1E-07	1.3E-07	5.8E-07
245	BKGN	260191.84	4022301.46	260191.84, 4022	10.74848	11.25477	9.83295	0.00415	5.30E-05	6.93E-05	4.12E-04	5.12E-05	5.85E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	9.0E-08	4.1E-07
246	BKGN	260250.48	4022301.46	260250.48, 4022	7.80021	8.1177	7.73607	0.00319	3.85E-05	5.00E-05	3.24E-04	3.93E-05	4.52E-04	1.6E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
247	BKGN	260309.12	4022301.46	260309.12, 4022	5.9608	6.1729	6.48395	0.00251	2.94E-05	3.80E-05	2.72E-04	3.10E-05	3.70E-04	1.3E-07	3.9E-07	2.0E-07	2.0E-07	2.0E-07	9.3E-08	4.3E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.7E-08	2.6E-07
248	BKGN	260367.76	4022301.46	260367.76, 4022	4.72712	4.87583	5.64252	0.00203	2.33E-05	3.00E-05	2.36E-04	2.50E-05	3.15E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	7.9E-08	3.6E-09	8.8E-08	1.2E-08	2.9E-08	4.1E-08	4.9E-08	2.2E-07
249	BKGN	260426.4	4022301.46	260426.4, 40223	3.85885	3.96754	4.97722	0.00168	1.90E-05	2.44E-05	2.08E-04	2.07E-05	2.73E-04	9.4E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.8E-08	3.2E-09	7.6E-08	1.0E-08	2.5E-08	3.6E-08	4.2E-08	1.9E-07
250	BKGN	260485.04	4022301.46	260485.04, 4022	3.21912	3.30115	4.4041	0.00141	1.59E-05	2.03E-05	1.84E-04	1.74E-05	2.38E-04	8.2E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	6.0E-08	2.8E-09	6.6E-08	8.9E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
251	BKGN	260543.68	4022301.46	260543.68, 4022	2.73333	2.79683	3.89879	0.0012	1.35E-05	1.72E-05	1.63E-04	1.48E-05	2.09E-04	7.2E-08	2.2E-07	1.1E-07	1.1E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	7.8E-09	1.9E-08	2.7E-08	3.2E-08	1.5E-07
252	BKGN	260602.32	4022301.46	260602.32, 4022	2.35585	2.40616	3.474	0.00104	1.16E-05	1.48E-05	1.45E-04	1.28E-05	1.85E-04	6.4E-08	1.9E-07	1.0E-07	1.0E-07	1.0E-07	4.6E-08	2.1E-09	5.2E-08	6.9E-09	1.7E-08	2.4E-08	2.9E-08	1.3E-07
253	BKGN	259429.52	4022344.98	259429.52, 4022	4.59164	4.44949	3.57282	0.00161	2.26E-05	2.74E-05	1.50E-04	1.99E-05	2.19E-04	7.6E-08	2.3E-07	1.2E-07	1.2E-07	1.2E-07	5.5E-08	2.5E-09	6.1E-08	8.2E-09	2.0E-08	2.9E-08	3.4E-08	1.5E-07
254	BKGN	259488.16	4022344.98	259488.16, 4022	5.80793	5.60439	3.92013	0.00188	2.86E-05	3.45E-05	1.64E-04	2.32E-05	2.50E-04	8.7E-08	2.6E-07	1.4E-07	1.4E-07	1.4E-07	6.3E-08	2.9E-09	7.0E-08	9.3E-09	2.3E-08	3.3E-08	3.9E-08	1.8E-07

255	BKGN	259546.8	4022344.98	259546.8, 40223	7.63363	7.32541	4.36938	0.00224	3.76E-05	4.51E-05	1.83E-04	2.76E-05	2.93E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
256	BKGN	259605.44	4022344.98	259605.44, 4022	10.57671	10.07271	5.04173	0.00274	5.22E-05	6.20E-05	2.11E-04	3.38E-05	3.59E-04	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.3E-08	4.7E-08	5.5E-08	2.5E-07
257	BKGN	259664.08	4022344.98	259664.08, 4022	15.8248	14.90614	6.11341	0.00342	7.80E-05	9.18E-05	2.56E-04	4.22E-05	4.68E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.4E-08	6.1E-08	7.2E-08	3.3E-07
258	BKGN	259722.72	4022344.98	259722.72, 4022	26.76914	24.80278	7.43436	0.00438	1.32E-04	1.53E-04	3.11E-04	5.40E-05	6.50E-04	2.3E-07	6.8E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.5E-09	1.8E-07	2.4E-08	6.1E-08	8.5E-08	1.0E-07	4.6E-07
259	BKGN	259781.36	4022344.98	259781.36, 4022	56.47966	51.11448	8.8218	0.00557	2.78E-04	3.15E-04	3.69E-04	6.87E-05	1.03E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.6E-08	1.3E-07	1.6E-07	7.3E-07
260	BKGN	259840	4022344.98	259840, 402234	204.93993	174.29056	10.67646	0.00647	1.01E-03	1.07E-03	4.47E-04	7.98E-05	2.61E-03	9.0E-07	2.7E-06	1.4E-06	1.4E-06	1.4E-06	6.5E-07	3.0E-08	7.3E-07	9.7E-08	2.4E-07	3.4E-07	4.0E-07	1.8E-06
261	BKGN	259898.64	4022344.98	259898.64, 4022	563.84677	879.11547	13.12554	0.00557	2.78E-03	5.41E-03	5.50E-04	6.87E-05	8.81E-03	3.0E-06	9.2E-06	4.8E-06	4.8E-06	4.8E-06	2.2E-06	1.0E-07	2.5E-06	3.3E-07	8.2E-07	1.1E-06	1.4E-06	6.2E-06
262	BKGN	259957.28	4022344.98	259957.28, 4022	136.62958	149.74676	16.13311	0.00336	6.74E-04	9.22E-04	6.76E-04	4.14E-05	2.31E-03	8.0E-07	2.4E-06	1.3E-06	1.3E-06	1.3E-06	5.8E-07	2.7E-08	6.5E-07	8.6E-08	2.2E-07	3.0E-07	3.6E-07	1.6E-06
263	BKGN	260015.92	4022344.98	260015.92, 4022	44.607	48.94798	19.2429	0.00423	2.20E-04	3.01E-04	8.06E-04	5.22E-05	1.38E-03	4.8E-07	1.4E-06	7.6E-07	7.6E-07	7.6E-07	3.5E-07	1.6E-08	3.9E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.7E-07
264	BKGN	260074.56	4022344.98	260074.56, 4022	23.03253	24.67353	22.87565	0.0041	1.14E-04	1.52E-04	9.58E-04	5.06E-05	1.27E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.7E-08	1.2E-07	1.7E-07	2.0E-07	9.0E-07
265	BKGN	260133.2	4022344.98	260133.2, 40223	14.38233	15.16779	13.25817	0.0035	7.09E-05	9.34E-05	5.55E-04	4.32E-05	7.63E-04	2.6E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	9.9E-08	1.2E-07	5.4E-07
266	BKGN	260191.84	4022344.98	260191.84, 4022	9.91504	10.35232	9.36003	0.00285	4.89E-05	6.37E-05	3.92E-04	3.52E-05	5.40E-04	1.9E-07	5.6E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
267	BKGN	260250.48	4022344.98	260250.48, 4022	7.30428	7.57527	7.39097	0.00231	3.60E-05	4.66E-05	3.09E-04	2.85E-05	4.21E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
268	BKGN	260309.12	4022344.98	260309.12, 4022	5.63711	5.81793	6.22331	0.00189	2.78E-05	3.58E-05	2.61E-04	2.33E-05	3.48E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	1.3E-08	3.2E-08	4.5E-08	5.4E-08	2.5E-07
269	BKGN	260367.76	4022344.98	260367.76, 4022	4.50463	4.63228	5.38828	0.00158	2.22E-05	2.85E-05	2.26E-04	1.95E-05	2.96E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
270	BKGN	260426.4	4022344.98	260426.4, 40223	3.69541	3.78933	4.69089	0.00134	1.82E-05	2.33E-05	1.96E-04	1.65E-05	2.54E-04	8.8E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.4E-08	2.9E-09	7.1E-08	9.5E-09	2.4E-08	3.3E-08	3.9E-08	1.8E-07
271	BKGN	260485.04	4022344.98	260485.04, 4022	3.09503	3.1664	4.06615	0.00115	1.53E-05	1.95E-05	1.70E-04	1.42E-05	2.19E-04	7.6E-08	2.3E-07	1.2E-07	1.2E-07	1.2E-07	5.5E-08	2.5E-09	6.1E-08	8.2E-09	2.0E-08	2.9E-08	3.4E-08	1.5E-07
272	BKGN	260543.68	4022344.98	260543.68, 4022	2.63772	2.69346	3.53838	0.001	1.30E-05	1.66E-05	1.48E-04	1.23E-05	1.90E-04	6.6E-08	2.0E-07	1.0E-07	1.0E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	7.1E-09	1.8E-08	2.5E-08	2.9E-08	1.3E-07
273	BKGN	260602.32	4022344.98	260602.32, 4022	2.27913	2.32358	3.12656	0.00087	1.12E-05	1.43E-05	1.31E-04	1.07E-05	1.67E-04	5.8E-08	1.7E-07	9.2E-08	9.2E-08	9.2E-08	4.2E-08	1.9E-09	4.7E-08	6.2E-09	1.6E-08	2.2E-08	2.6E-08	1.2E-07
274	BKGN	259429.52	4022388.5	259429.52, 4022	4.57097	4.44144	3.42992	0.00177	2.25E-05	2.73E-05	1.44E-04	2.18E-05	2.15E-04	7.5E-08	2.3E-07	1.2E-07	1.2E-07	1.2E-07	5.4E-08	2.5E-09	6.0E-08	8.0E-09	2.0E-08	2.8E-08	3.3E-08	1.5E-07
275	BKGN	259488.16	4022388.5	259488.16, 4022	5.7581	5.57431	3.8769	0.00207	2.84E-05	3.43E-05	1.62E-04	2.55E-05	2.51E-04	8.7E-08	2.6E-07	1.4E-07	1.4E-07	1.4E-07	6.3E-08	2.9E-09	7.0E-08	9.3E-09	2.3E-08	3.3E-08	3.9E-08	1.8E-07
276	BKGN	259546.8	4022388.5	259546.8, 40223	7.51997	7.2441	4.48889	0.00246	3.71E-05	4.46E-05	1.88E-04	3.03E-05	3.00E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.5E-08	3.5E-09	8.4E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
277	BKGN	259605.44	4022388.5	259605.44, 4022	10.30813	9.86342	5.5313	0.00298	5.08E-05	6.07E-05	2.32E-04	3.68E-05	3.80E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	1.4E-08	3.5E-08	5.0E-08	5.9E-08	2.7E-07
278	BKGN	259664.08	4022388.5	259664.08, 4022	15.11246	14.33364	7.20731	0.00364	7.45E-05	8.82E-05	3.02E-04	4.49E-05	5.09E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.9E-08	3.6E-07
279	BKGN	259722.72	4022388.5	259722.72, 4022	24.44673	22.93604	8.68004	0.00452	1.21E-04	1.41E-04	3.63E-04	5.57E-05	6.81E-04	2.4E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.9E-09	1.9E-07	2.5E-08	6.3E-08	8.9E-08	1.1E-07	4.8E-07
280	BKGN	259781.36	4022388.5	259781.36, 4022	46.39836	42.23307	9.99927	0.00559	2.29E-04	2.60E-04	4.19E-04	6.89E-05	9.76E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.1E-08	1.3E-07	1.5E-07	6.9E-07
281	BKGN	259840	4022388.5	259840, 402238	121.5173	91.13712	11.77734	0.00692	5.99E-04	5.61E-04	4.93E-04	8.53E-05	1.74E-03	6.0E-07	1.8E-06	9.5E-07	9.5E-07	9.5E-07	4.4E-07	2.0E-08	4.9E-07	6.5E-08	1.6E-07	2.3E-07	2.7E-07	1.2E-06
282	BKGN	259898.64	4022388.5	259898.64, 4022	229.83934	148.24945	14.18189	0.009	1.13E-03	9.13E-04	5.94E-04	1.11E-04	2.75E-03	9.5E-07	2.9E-06	1.5E-06	1.5E-06	1.5E-06	6.9E-07	3.2E-08	7.7E-07	1.0E-07	2.6E-07	3.6E-07	4.2E-07	1.9E-06
283	BKGN	259957.28	4022388.5	259957.28, 4022	75.27892	76.92871	17.1474	0.00587	3.71E-04	4.74E-04	7.18E-04	7.24E-05	1.64E-03	5.7E-07	1.7E-06	9.0E-07	9.0E-07	9.0E-07	4.1E-07	1.9E-08	4.6E-07	6.1E-08	1.5E-07	2.1E-07	2.5E-07	1.2E-06
284	BKGN	260015.92	4022388.5	260015.92, 4022	33.87586	36.58261	20.06966	0.00404	1.67E-04	2.25E-04	8.40E-04	4.98E-05	1.28E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.1E-07
285	BKGN	260074.56	4022388.5	260074.56, 4022	19.42964	20.97604	23.48981	0.00349	9.58E-05	1.29E-04	9.84E-04	4.30E-05	1.25E-03	4.3E-07	1.3E-06	6.9E-07	6.9E-07	6.9E-07	3.1E-07	1.4E-08	3.5E-07	4.7E-08	1.2E-07	1.6E-07	1.9E-07	8.8E-07
286	BKGN	260133.2	4022388.5	260133.2, 40223	12.85017	13.70739	12.85191	0.00289	6.34E-05	8.44E-05	5.38E-04	3.56E-05	7.22E-04	2.5E-07	7.5E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
287	BKGN	260191.84	4022388.5	260191.84, 4022	9.13643	9.62506	9.04788	0.00235	4.50E-05	5.93E-05	3.79E-04	2.90E-05	5.12E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
288	BKGN	260250.48	4022388.5	260250.48, 4022	6.85988	7.15708	7.24879	0.00193	3.38E-05	4.41E-05	3.04E-04	2.38E-05	4.05E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
289	BKGN	260309.12	4022388.5	260309.12, 4022	5.35948	5.55241	6.11989	0.00161	2.64E-05	3.42E-05	2.56E-04	1.99E-05	3.37E-04	1.2E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.4E-08	3.9E-09	9.4E-08	1.3E-08	3.1E-08	4.4E-08	5.2E-08	2.4E-07
290	BKGN	260367.76	4022388.5	260367.76, 4022	4.31679	4.44926	5.24693	0.00136	2.13E-05	2.74E-05	2.20E-04	1.68E-05	2.85E-04	9.9E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.1E-08	3.3E-09	8.0E-08	1.1E-08	2.7E-08	3.7E-08	4.4E-08	2.0E-07
291	BKGN	260426.4	4022388.5	260426.4, 40223	3.56079	3.65598	4.45334	0.00116	1.76E-05	2.25E-05	1.86E-04	1.43E-05	2.41E-04	8.3E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	6.0E-08	2.8E-09	6.7E-08	9.0E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
292	BKGN	260485.04	4022388.5	260485.04, 4022	2.99642	3.06758	3.75346	0.00101	1.48E-05	1.89E-05	1.57E-04	1.25E-05	2.03E-04	7.0E-08	2.1E-07	1.1E-07	1.1E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	7.6E-09	1.9E-08	2.6E-08	3.1E-08	1.4E-07
293	BKGN	260543.68	4022388.5	260543.68, 4022	2.56107	2.61584	3.22191	0.00088	1.26E-05	1.61E-05	1.35E-04	1.09E-05	1.74E-04	6.0E-08	1.8E-07	9.6E-08	9.6E-08	9.6E-08	4.4E-08	2.0E-09	4.9E-08	6.5E-09	1.6E-08	2.3E-08	2.7E-08	1.2E-07
294	BKGN	260602.32	4022388.5	260602.32, 4022	2.21915	2.26241	2.83421	0.00078	1.09E-05	1.39E-05	1.19E-04	9.62E-06	1.53E-04	5.3E-08	1.6E-07	8.4E-08	8.4E-08	8.4E-08	3.8E-08	1.8E-09	4.3E-08	5.7E-09	1.4E-08	2.0E-08	2.4E-08	1.1E-07
295	BKGN	259429.52	4022432.02	259429.52, 4022	4.46273	4.34168	3.35679	0.00184	2.20E-05	2.67E-05	1.41E-04	2.27E-05	2.12E-04	7.3E-08	2.2E-07	1.2E-07	1.2E-07	1.2E-07	5.3E-08	2.5E-09	5.9E-08	7.9E-09	2.0E-08	2.8E-08	3.3E-08	1.5E-07
296	BKGN	259488.16	4022432.02	259488.16, 4022	5.5729	5.40117	3.99721	0.00212	2.75E-05	3.33E-05	1.67E-04	2.61E-05	2.54E-04	8.8E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.4E-08	2.9E-09	7.1E-08	9.5E-09	2.4E-08	3.3E-08	3.9E-08	1.8E-07
297	BKGN	259546.8	4022432.02	259546.8, 40224	7.18262	6.92991	5.00943	0.00247	3.54E-05	4.27E-05	2.10E-04	3.05E-05	3.18E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	8.0E-08	3.7E-09	8.9E-08	1.2E-08	3.0E-08	4.1E-08	4.9E-08	2.2E-07
298	BKGN	259605.44	4022432.02	259605.44, 4022	9.63144	9.25007	7.22491	0.00291	4.75E-05	5.69E-05	3.03E-04	3.59E-05	4.43E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.8E-08	6.8E-08	3.1E-07
299	BKGN	259664.08	4022432.02	259664.08, 4022	13.56264	12.9757	9.80027	0.00347	6.69E-05	7.99E-05	4.10E-04	4.28E-05	6.00E-04	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.3E-08	4.2E-07
300	BKGN	259722.72	4022432.02	259722.72, 4022	20.29895	19.24687	11.18215	0.00434	1.00E-04	1.18E-04	4.68E-04	5.35E-05	7.40E-04	2.6E-07	7.7E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.6E-08	1.1E-07	5.2E-07
301	BKGN	259781.36	4022432.02	259781.36, 4022	32.93702	29.8169	12.7851	0.00563	1.62E-04	1.84E-04	5.35E-04	6.94E-05	9.51E-04	3.3E-07	9.9E-07	5.2E-07	5.2E-07	5.2E-07	2.4E-07	1.1E-08	2.7E-07	3.5E-08	8.9E-08	1.2E-07	1.5E-07	6.7E-07
302	BKGN	259840	4022432.02	259840, 402243	56.75233	48.69471	15.71666	0.007	2.80E-04	3.00E-04	6.58E-04	8.63E-05	1.32E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	4.9E-08	1.2E-07	1.7E-07	2.0E-07	9.3E-07
303	BKGN	259898.64	4022432.02	259898.64, 4022	66.63817	58.48532	20.30292	0.00954	3.29E-04	3.60E-04	8.50E-04	1.18E-04	1.66E-03	5.7E-07	1.7E-06	9.1E-07	9.1E-07	9.1E-07	4.1E-07	1.9E-08	4.6E-07	6.2E-08	1.5E-07	2.2E-07	2.6E-07	1.2E-06
304	BKGN	259957.28	4022432.02	259957.28, 4022	41.45331	41.28213	23.74569	0.00632	2.04E-04	2.54E-04	9.94E-04	7.79E-05	1.53E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
305	BKGN	260015.92	4022432.02	260015.92, 4022	24.42301	25.61096	29.57302	0.00426	1.20E-04	1.58E-04	1.24E-03	5.25E-05	1.57E-03	5.4E-07	1.6E-06	8.6E-07	8.6E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	5.8E-08	1.5E-07	2.0E-07	2.4E-07	1.1E-06
306	BKGN	260074.56	4022432.02	260074.56, 4022	15.8358	16.62619	26.70666	0.00315	7.81E-05	1.02E-04	1.12E-03	3.89E-05	1.34E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	5.0E-08	1.2E-07	1.7E-07	2.1E-07	9.4E-07
307	BKGN	260133.2	4022432.02	260133.2, 40224	11.18404	11.77817	12.54715	0.00264	5.51E-05	7.25E-05	5.25E-04	3.26E-05	6.86E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	7.9E-09	1.9E-07	2.6E-08	6.4E-08	8.9E-08	1.1E-07	4.8E-07
308	BKGN	260191.84	4022432.02	260191.84, 4022	8.26429	8.69128	9.12718	0.00218	4.07E-05	5.35E-05	3.82E-04	2.69E-05	5.03E-04	1.7E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
309	BKGN	260250.48	4022432.02	260250.48, 4022	6.36783	6.66383	7.38366	0.00181	3.14E-05	4.10E-05	3.09E-04	2.23E-05	4.04E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.2E-08	2.9E-07
310	BKGN	260309.12	4022432.02	260309.12, 4022	5.06441	5.26936	6.18966	0.00152	2.50E-05	3.24E-05	2.59E-04	1.87E-05	3.35E-04	1.2E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.4E-08	3.9E-09	9.4E-08	1.2E-08	3.1E-08	4.4E-08	5.2E-08	2.4E-07
311	BKGN	260367.76	4022432.02	260367.76, 4022	4.1291	4.27351	5.16913	0.00129	2.04E-05	2.63E-05	2.16E-04	1.59E-05	2.79E-04	9.7E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	1.0E-08	2.6E-08	3.6E-08	4.3E-08	2.0E-07
312	BKGN	260426.4	4022432.02	260426.4, 40224	3.43565	3.54001	4.1977	0.00111	1.69E-05	2.18E-05	1.76E-04	1.37E-05	2.28E-04	7.9E-08	2.4E-07	1.3E-07	1.3E-07	1.3E-07	5.7E-08	2.6E-09	6.4E-08	8.5E-09	2.1E-08	3.0E-08	3.5E-08	1.6E-07
313	BKGN	260485.04	4022432.02	260485.04, 4022	2.90796	2.98548	3.44147	0.00096	1.43E-05	1.84E-05	1.44E-04	1.18E-05	1.89E-04	6.5E-08	2.0E-07	1.0E-07	1.0E-07	1.0E-07	4.7E-08	2.2E-09	5.3E-08	7.0E-09	1.8E-08	2.5E-08	2.9E-08	1.3E-07
314	BKGN	260543.68	4022432.02	260543.68, 4022	2.49599	2.55505	2.93558	0.00084	1.23E-05	1.57E-05	1.23E-04	1.04E-05	1.61E-04	5.6E-08	1.7E-07	8.8E-08	8.8E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	6.0E-09	1.5E-08	2.1E-08	2.5E-08	1.1E-07
315	BKGN	260602.32	4022432.02	260602.32, 4022	2.16934	2.21544	2.58649	0.00075	1.07E-05	1.36E-05	1.08E-04	9.25E-06	1.42E-04	4.9E-08	1.5E-07	7.8E-08	7.8E-08	7.8E-08	3.6E-08	1.6E-09	4.0E-08	5.3E-09	1.3E-08	1.8E-08	2.2E-08	1.0E-07
316	BKGN	259429.52	4022475.54	259429.52, 4022	4.2852	4.17159	3.2951	0.00181	2.11E-05	2.57E-05	1.38E-04	2.23E-05	2.07E-04	7.2E-08	2.2E-07	1.1E-07	1.1E-07	1.1E-07	5.2E-08	2.4E-09	5.8E-08	7.7E-09	1.9E-08	2.7E-08	3.2E-08	1.5E-07
317	BKGN	259488.16	4022475.54	259488.16, 4022	5.28811	5.13455	4.25766	0.00205	2.61E-05	3.16E-05	1.78E-04	2.53E-05	2.61E-04	9.0E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	9.7E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
318	BKGN	259546.8	4022475.54	259546.8, 40224	6.68852	6.48226	6.68881	0.00235	3.30E-05	3.99E-05	2.80E-04	2.90E-05	3.82E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.6E-08	4.4E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	5.9E-08	2.7E-07
319	BKGN	259605.44	4022475.54	259605.44, 4022	8.69436	8.41877	13.90927	0.00277	4.29E-05	5.18E-05	5.82E-04	3.42E-05	7.11E-04	2.5E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.6E-08	6.6E-08	9.3E-08	1.1E-07	5.0E-07
320	BKGN	259664.08	4022475.54	259664.08, 4022	11.61896	11.21604	15.95334	0.00337	5.73E-05	6.90E-05	6.68E-04	4.16E-05	8.36E-04	2.9E-07	8.7E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
321	BKGN	259722.72	4022475.54	259722.72, 4022	15.98878	15.17296	17.13667	0.00429	7.88E-05	9.34E-05	7.18E-04	5.29E-05	9.43E-04	3.3E-07	9.9E-07	5.2E-07	5.2E-07	5.2E-07	2.4E-07	1.1E-08	2.6E-07	3.5E-08	8.8E-08	1.2E-07	1.5E-07	6.7E-07
322	BKGN	259781.36	4022475.54	259781.36, 4022	22.83499	21.05872	21.18582	0.00536	1.13E-04	1.30E-04	8.87E-04	6.61E-05	1.20E-03	4.1E-07	1.2E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.3E-07	4.5E-08	1.1E-07	1.6E-07	1.8E-07	8.4E-07
323	BKGN	259840	4022475.54	259840, 402247	31.80522	29.50425	33.16115	0.00661	1.57E-04	1.82E-04	1.39E-03	8.15E-05	1.81E-03	6.3E-07	1.9E-06	9.9E-07	9.9E-07	9.9E-07	4.5E-07	2.1E-08	5.0E-07	6.7E-08	1.7E-07	2.4E-07	2.8E-07	1.3E-06
324	BKGN	259898.64	4022475.54	259898.64, 4022	32.87001	31.25229	28.43857	0.0087	1.62E-04	1.92E-04	1.19E-03	1.07E-04	1.65E-03	5.7E-07	1.7E-06	9.1E-07	9.1E-07	9.1E-07	4.1E-07	1.9E-08	4.6E-07	6.2E-08	1.5E-07	2.2E-07	2.6E-07	1.2E-06
325	BKGN	259957.28	4022475.54	259957.28, 4022	25.05986	25.05556	26.36405	0.00581	1.24E-04	1.54E-04	1.10E-03	7.17E-05	1.45E-03	5.0E-07	1.5E-06	8.0E-07	8.0E-07	8.0E-07	3.6E-07	1.7E-08	4.1E-07	5.4E-08	1.4E-07	1.9E-07	2.2E-07	1.0E-06
326	BKGN	260015.92	4022475.54	260015.92, 4022	17.53877	18.15768	29.80349	0.00436	8.65E-05	1.12E-04	1.25E-03	5.38E-05	1.50E-03	5.2E-07	1.6E-06	8.2E-07	8.2E-07	8.2E-07	3.8E-07	1.7E-08	4.2E-07	5.6E-08	1.4E-07	2.0E-07	2.3E-07	1.1E-06
327	BKGN	260074.56	4022475.54	260074.56, 4022	12.60271	13.13979	28.30618	0.00295	6.21E-05	8.09E-05	1.19E-03	3.64E-05	1.36E-03	4.7E-07	1.4E-06	7.5E-07	7.5E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.6E-07
328	BKGN	260133.2	4022475.54	260133.2, 40224	9.49761	9.85515	13.32354	0.00234	4.68E-05	6.07E-05	5.58E-04	2.89E-05	6.94E-04	2.4E-07	7.3E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.5E-08	9.0E-08	1.1E-07	4.9E-07
329	BKGN	260191.84	4022475.54	260191.84, 4022	7.28355	7.55879	9.8655	0.00199	3.59E-05	4.65E-05	4.13E-04	2.45E-05	5.20E-04	1.8E-07	5.4E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
330	BKGN	260250.48	4022475.54	260250.48, 4022	5.77606	5.99847	7.87798	0.00171	2.85E-05	3.69E-05	3.30E-04	2.11E-05	4.16E-04	1.4E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.4E-08	6.4E-08	2.9E-07
331	BKGN	260309.12	4022475.54	260309.12, 4022	4.69718	4.87238	6.46324	0.00146	2.32E-05	3.00E-05	2.71E-04	1.80E-05	3.42E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.6E-08	4.0E-09	9.5E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
332	BKGN	260367.76	4022475.54	260367.76, 4022	3.89511	4.03027	5.08248	0.00125	1.92E-05	2.48E-05	2.13E-04	1.54E-05	2.72E-04	9.4E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.8E-08	3.1E-09	7.6E-08	1.0E-08	2.5E-08	3.5E-08	4.2E-08	1.9E-07
333	BKGN	260426.4	4022475.54	260426.4, 40224	3.2818	3.38534	3.88223	0.00108	1.62E-05	2.08E-05	1.63E-04	1.33E-05	2.13E-04	7.4E-08	2.2E-07	1.2E-07	1.2E-07	1.2E-07	5.3E-08	2.5E-09	5.9E-08	7.9E-09	2.0E-08	2.8E-08	3.3E-08	1.5E-07
334	BKGN	260485.04	4022475.54	260485.04, 4022	2.80382	2.88351	3.13281	0.00095	1.38E-05	1.78E-05	1.31E-04	1.17E-05	1.74E-04	6.0E-08	1.8E-07	9.6E-08	9.6E-08	9.6E-08	4.4E-08	2.0E-09	4.9E-08	6.5E-09	1.6E-08	2.3E-08	2.7E-08	1.2E-07
335	BKGN	260543.68	4022475.54	260543.68, 4022	2.42349	2.48544	2.68224	0.00083	1.19E-05	1.53E-05	1.12E-04	1.02E-05	1.50E-04	5.2E-08	1.6E-07	8.2E-08	8.2E-08	8.2E-08	3.7E-08	1.7E-09	4.2E-08	5.6E-09	1.4E-08	2.0E-08	2.3E-08	1.1E-07
336	BKGN	260602.32	4022475.54	260602.32, 4022	2.1169	2.1657	2.37606	0.00074	1.04E-05	1.33E-05	9.95E-05	9.13E-06	1.32E-04	4.6E-08	1.4E-07	7.3E-08	7.3E-08	7.3E-08	3.3E-08	1.5E-09	3.7E-08	4.9E-09	1.2E-08	1.7E-08	2.0E-08	9.3E-08
337	BKGN	259429.52	4022519.06	259429.52, 4022	4.06814	3.97028	3.19159	0.00173	2.01E-05	2.44E-05	1.34E-04	2.13E-05	1.99E-04	6.9E-08	2.1E-07	1.1E-07	1.1E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	7.4E-09	1.9E-08	2.6E-08	3.1E-08	1.4E-07
338	BKGN	259488.16	4022519.06	259488.16, 4022	4.93981	4.8189	4.34976	0.00195	2.44E-05	2.97E-05	1.82E-04	2.41E-05	2.60E-04	9.0E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.3E-08	9.7E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
339	BKGN	259546.8	4022519.06	259546.8, 40225	6.09548	5.9469	11.22982	0.00226	3.01E-05	3.66E-05	4.70E-04	2.79E-05	5.65E-04	2.0E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.3E-08	7.4E-08	8.7E-08	4.0E-07
340	BKGN	259605.44	4022519.06	259605.44, 4022	7.62748	7.43262	19.85703	0.00271	3.76E-05	4.58E-05	8.31E-04	3.34E-05	9.48E-04	3.3E-07	9.9E-07	5.2E-07	5.2E-07	5.2E-07	2.4E-07	1.1E-08	2.6E-07	3.5E-08	8.8E-08	1.2E-07	1.5E-07	6.7E-07
341	BKGN	259664.08	4022519.06	259664.08, 4022	9.66151	9.34663	22.33252	0.00334	4.76E-05	5.75E-05	9.35E-04	4.12E-05	1.08E-03	3.7E-07	1.1E-06	5.9E-07	5.9E-07	5.9E-07	2.7E-07	1.3E-08	3.0E-07	4.0E-08	1.0E-07	1.4E-07	1.7E-07	7.6E-07
342	BKGN	259722.72	4022519.06	259722.72, 4022	12.45785	11.84665	19.31873	0.00406	6.14E-05	7.29E-05	8.09E-04	5.01E-05	9.93E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	3.7E-08	9.2E-08	1.3E-07	1.5E-07	7.0E-07
343	BKGN	259781.36	4022519.06	259781.36, 4022	16.50497	15.64346	24.68543	0.00486	8.14E-05	9.63E-05	1.03E-03	5.99E-05	1.27E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.5E-07	4.7E-08	1.2E-07	1.7E-07	2.0E-07	9.0E-07

344	BKGN	259840	4022519.06	259840, 402251	20.44677	19.62868	17.90336	0.00605	1.01E-04	1.21E-04	7.50E-04	7.46E-05	1.05E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.7E-08	1.4E-07	1.6E-07	7.4E-07
345	BKGN	259898.64	4022519.06	259898.64, 4022	20.60956	20.12031	13.42377	0.00723	1.02E-04	1.24E-04	5.62E-04	8.92E-05	8.77E-04	3.0E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.3E-08	8.2E-08	1.1E-07	1.4E-07	6.2E-07
346	BKGN	259957.28	4022519.06	259957.28, 4022	17.2316	17.35308	12.22963	0.00496	8.50E-05	1.07E-04	5.12E-04	6.12E-05	7.65E-04	2.6E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	1.0E-07	1.2E-07	5.4E-07
347	BKGN	260015.92	4022519.06	260015.92, 4022	13.39303	13.68167	14.36155	0.00396	6.60E-05	8.42E-05	6.01E-04	4.88E-05	8.00E-04	2.8E-07	8.4E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.3E-09	2.2E-07	3.0E-08	7.5E-08	1.0E-07	1.2E-07	5.6E-07
348	BKGN	260074.56	4022519.06	260074.56, 4022	9.52981	9.90206	21.97519	0.00291	4.70E-05	6.10E-05	9.20E-04	3.59E-05	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	9.9E-08	1.4E-07	1.6E-07	7.5E-07
349	BKGN	260133.2	4022519.06	260133.2, 40225	8.03694	8.32992	17.13427	0.00213	3.96E-05	5.13E-05	7.17E-04	2.63E-05	8.35E-04	2.9E-07	8.7E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.6E-09	2.3E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
350	BKGN	260191.84	4022519.06	260191.84, 4022	6.35478	6.55192	11.76895	0.00178	3.13E-05	4.03E-05	4.93E-04	2.20E-05	5.86E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.6E-08	9.0E-08	4.1E-07
351	BKGN	260250.48	4022519.06	260250.48, 4022	5.15266	5.30517	9.05269	0.00156	2.54E-05	3.27E-05	3.79E-04	1.92E-05	4.56E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
352	BKGN	260309.12	4022519.06	260309.12, 4022	4.27408	4.40204	7.02784	0.00137	2.11E-05	2.71E-05	2.94E-04	1.69E-05	3.59E-04	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.3E-08	4.7E-08	5.5E-08	2.5E-07
353	BKGN	260367.76	4022519.06	260367.76, 4022	3.6066	3.71422	4.8407	0.0012	1.78E-05	2.29E-05	2.03E-04	1.48E-05	2.58E-04	8.9E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.2E-08	9.6E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
354	BKGN	260426.4	4022519.06	260426.4, 40225	3.08457	3.17376	3.50865	0.00106	1.52E-05	1.95E-05	1.47E-04	1.31E-05	1.95E-04	6.7E-08	2.0E-07	1.1E-07	1.1E-07	1.1E-07	4.9E-08	2.3E-09	5.4E-08	7.3E-09	1.8E-08	2.5E-08	3.0E-08	1.4E-07
355	BKGN	260485.04	4022519.06	260485.04, 4022	2.66731	2.74033	2.85373	0.00093	1.32E-05	1.69E-05	1.19E-04	1.15E-05	1.61E-04	5.6E-08	1.7E-07	8.8E-08	8.8E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	6.0E-09	1.5E-08	2.1E-08	2.5E-08	1.1E-07
356	BKGN	260543.68	4022519.06	260543.68, 4022	2.32747	2.38681	2.46795	0.00082	1.15E-05	1.47E-05	1.03E-04	1.01E-05	1.40E-04	4.8E-08	1.5E-07	7.7E-08	7.7E-08	7.7E-08	3.5E-08	1.6E-09	3.9E-08	5.2E-09	1.3E-08	1.8E-08	2.2E-08	9.9E-08
357	BKGN	260602.32	4022519.06	260602.32, 4022	2.0483	2.09654	2.19832	0.00073	1.01E-05	1.29E-05	9.20E-05	9.00E-06	1.24E-04	4.3E-08	1.3E-07	6.8E-08	6.8E-08	6.8E-08	3.1E-08	1.4E-09	3.5E-08	4.6E-09	1.2E-08	1.6E-08	1.9E-08	8.8E-08
358	BKGN	259429.52	4022562.58	259429.52, 4022	3.81994	3.74377	3.0108	0.00168	1.88E-05	2.30E-05	1.26E-04	2.07E-05	1.89E-04	6.5E-08	2.0E-07	1.0E-07	1.0E-07	1.0E-07	4.7E-08	2.2E-09	5.3E-08	7.0E-09	1.8E-08	2.5E-08	2.9E-08	1.3E-07
359	BKGN	259488.16	4022562.58	259488.16, 4022	4.55035	4.4612	3.95717	0.00192	2.24E-05	2.75E-05	1.66E-04	2.37E-05	2.39E-04	8.3E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	6.0E-08	2.8E-09	6.7E-08	8.9E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
360	BKGN	259546.8	4022562.58	259546.8, 40225	5.46142	5.3516	6.29183	0.00225	2.69E-05	3.29E-05	2.63E-04	2.78E-05	3.51E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.8E-08	4.1E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
361	BKGN	259605.44	4022562.58	259605.44, 4022	6.58749	6.43311	9.34995	0.0027	3.25E-05	3.96E-05	3.92E-04	3.33E-05	4.97E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.9E-08	4.6E-08	6.5E-08	7.7E-08	3.5E-07
362	BKGN	259664.08	4022562.58	259664.08, 4022	8.00665	7.7462	10.98915	0.00321	3.95E-05	4.77E-05	4.60E-04	3.96E-05	5.87E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.6E-08	9.1E-08	4.1E-07
363	BKGN	259722.72	4022562.58	259722.72, 4022	9.94749	9.53463	11.49868	0.00371	4.90E-05	5.87E-05	4.81E-04	4.58E-05	6.35E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.3E-08	9.8E-08	4.5E-07
364	BKGN	259781.36	4022562.58	259781.36, 4022	12.45956	12.045	10.5492	0.0044	6.14E-05	7.42E-05	4.42E-04	5.43E-05	6.32E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.2E-08	9.7E-08	4.5E-07
365	BKGN	259840	4022562.58	259840, 402256	14.22321	13.89769	9.36968	0.00545	7.01E-05	8.56E-05	3.92E-04	6.72E-05	6.15E-04	2.1E-07	6.4E-07	3.4E-07	3.4E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	2.3E-08	5.7E-08	8.0E-08	9.5E-08	4.3E-07
366	BKGN	259898.64	4022562.58	259898.64, 4022	14.14711	13.98834	8.68812	0.00597	6.98E-05	8.61E-05	3.64E-04	7.36E-05	5.93E-04	2.1E-07	6.2E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.5E-08	7.7E-08	9.2E-08	4.2E-07
367	BKGN	259957.28	4022562.58	259957.28, 4022	12.50697	12.64853	8.68979	0.00433	6.17E-05	7.79E-05	3.64E-04	5.34E-05	5.57E-04	1.9E-07	5.8E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.4E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.6E-08	3.9E-07
368	BKGN	260015.92	4022562.58	260015.92, 4022	10.27276	10.44833	10.01723	0.00349	5.07E-05	6.43E-05	4.19E-04	4.30E-05	5.77E-04	2.0E-07	6.0E-07	3.2E-07	3.2E-07	3.2E-07	1.4E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.5E-08	8.9E-08	4.1E-07
369	BKGN	260074.56	4022562.58	260074.56, 4022	8.35088	8.58048	16.88325	0.00279	4.12E-05	5.28E-05	7.07E-04	3.44E-05	8.35E-04	2.9E-07	8.7E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
370	BKGN	260133.2	4022562.58	260133.2, 40225	6.83833	7.07232	32.156	0.00206	3.37E-05	4.35E-05	1.35E-03	2.54E-05	1.45E-03	5.0E-07	1.5E-06	7.9E-07	7.9E-07	7.9E-07	3.6E-07	1.7E-08	4.0E-07	5.4E-08	1.3E-07	1.9E-07	2.2E-07	1.0E-06
371	BKGN	260191.84	4022562.58	260191.84, 4022	5.57233	5.74684	16.83189	0.00164	2.75E-05	3.54E-05	7.05E-04	2.02E-05	7.88E-04	2.7E-07	8.2E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	2.9E-08	7.3E-08	1.0E-07	1.2E-07	5.6E-07
372	BKGN	260250.48	4022562.58	260250.48, 4022	4.59404	4.71661	11.92649	0.00141	2.27E-05	2.90E-05	4.99E-04	1.74E-05	5.68E-04	2.0E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.6E-09	1.6E-07	2.1E-08	5.3E-08	7.4E-08	8.8E-08	4.0E-07
373	BKGN	260309.12	4022562.58	260309.12, 4022	3.86107	3.95667	7.6935	0.00126	1.90E-05	2.44E-05	3.22E-04	1.55E-05	3.81E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	1.4E-08	3.5E-08	5.0E-08	5.9E-08	2.7E-07
374	BKGN	260367.76	4022562.58	260367.76, 4022	3.30088	3.38183	4.2892	0.00113	1.63E-05	2.08E-05	1.80E-04	1.39E-05	2.31E-04	8.0E-08	2.4E-07	1.3E-07	1.3E-07	1.3E-07	5.8E-08	2.7E-09	6.4E-08	8.6E-09	2.1E-08	3.0E-08	3.6E-08	1.6E-07
375	BKGN	260426.4	4022562.58	260426.4, 40225	2.85975	2.92994	3.15583	0.00101	1.41E-05	1.80E-05	1.32E-04	1.25E-05	1.77E-04	6.1E-08	1.8E-07	9.7E-08	9.7E-08	9.7E-08	4.4E-08	2.0E-09	4.9E-08	6.6E-09	1.6E-08	2.3E-08	2.7E-08	1.2E-07
376	BKGN	260485.04	4022562.58	260485.04, 4022	2.50272	2.56341	2.61929	0.0009	1.23E-05	1.58E-05	1.10E-04	1.11E-05	1.49E-04	5.2E-08	1.6E-07	8.2E-08	8.2E-08	8.2E-08	3.7E-08	1.7E-09	4.2E-08	5.5E-09	1.4E-08	1.9E-08	2.3E-08	1.1E-07
377	BKGN	260543.68	4022562.58	260543.68, 4022	2.20672	2.25862	2.28592	0.00081	1.09E-05	1.39E-05	9.57E-05	9.99E-06	1.30E-04	4.5E-08	1.4E-07	7.2E-08	7.2E-08	7.2E-08	3.3E-08	1.5E-09	3.6E-08	4.9E-09	1.2E-08	1.7E-08	2.0E-08	9.2E-08
378	BKGN	260602.32	4022562.58	260602.32, 4022	1.95989	2.00396	2.04424	0.00073	9.66E-06	1.23E-05	8.56E-05	9.00E-06	1.17E-04	4.0E-08	1.2E-07	6.4E-08	6.4E-08	6.4E-08	2.9E-08	1.3E-09	3.3E-08	4.3E-09	1.1E-08	1.5E-08	1.8E-08	8.2E-08
379	BKGN	259429.52	4022606.1	259429.52, 4022	3.54523	3.4876	2.76291	0.00166	1.75E-05	2.15E-05	1.16E-04	2.05E-05	1.75E-04	6.1E-08	1.8E-07	9.6E-08	9.6E-08	9.6E-08	4.4E-08	2.0E-09	4.9E-08	6.5E-09	1.6E-08	2.3E-08	2.7E-08	1.2E-07
380	BKGN	259488.16	4022606.1	259488.16, 4022	4.13091	4.06289	3.40373	0.00191	2.04E-05	2.50E-05	1.43E-04	2.36E-05	2.11E-04	7.3E-08	2.2E-07	1.2E-07	1.2E-07	1.2E-07	5.3E-08	2.4E-09	5.9E-08	7.9E-09	2.0E-08	2.8E-08	3.3E-08	1.5E-07
381	BKGN	259546.8	4022606.1	259546.8, 40226	4.8233	4.73583	4.45224	0.00224	2.38E-05	2.92E-05	1.86E-04	2.76E-05	2.67E-04	9.2E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.7E-08	3.1E-09	7.5E-08	9.9E-09	2.5E-08	3.5E-08	4.1E-08	1.9E-07
382	BKGN	259605.44	4022606.1	259605.44, 4022	5.64919	5.51959	5.56802	0.00261	2.79E-05	3.40E-05	2.33E-04	3.22E-05	3.27E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.2E-08	3.8E-09	9.1E-08	1.2E-08	3.0E-08	4.3E-08	5.0E-08	2.3E-07
383	BKGN	259664.08	4022606.1	259664.08, 4022	6.7056	6.49706	6.33489	0.00298	3.31E-05	4.00E-05	2.65E-04	3.68E-05	3.75E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.6E-07
384	BKGN	259722.72	4022606.1	259722.72, 4022	8.15017	7.89096	6.65814	0.0034	4.02E-05	4.86E-05	2.79E-04	4.19E-05	4.09E-04	1.4E-07	4.3E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
385	BKGN	259781.36	4022606.1	259781.36, 4022	9.73639	9.52889	6.64542	0.00404	4.80E-05	5.87E-05	2.78E-04	4.98E-05	4.35E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.7E-08	6.7E-08	3.1E-07
386	BKGN	259840	4022606.1	259840, 402260	10.56926	10.42686	6.4821	0.00485	5.21E-05	6.42E-05	2.71E-04	5.98E-05	4.48E-04	1.5E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.2E-07	1.7E-08	4.2E-08	5.8E-08	6.9E-08	3.2E-07
387	BKGN	259898.64	4022606.1	259898.64, 4022	10.45834	10.40584	6.41822	0.00495	5.16E-05	6.41E-05	2.69E-04	6.11E-05	4.45E-04	1.5E-07	4.7E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.7E-08	4.1E-08	5.8E-08	6.9E-08	3.1E-07
388	BKGN	259957.28	4022606.1	259957.28, 4022	9.50902	9.62686	6.66302	0.00374	4.69E-05	5.93E-05	2.79E-04	4.61E-05	4.31E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.7E-08	3.0E-07
389	BKGN	260015.92	4022606.1	260015.92, 4022	8.11763	8.25529	7.43795	0.00305	4.00E-05	5.08E-05	3.11E-04	3.76E-05	4.40E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
390	BKGN	260074.56	4022606.1	260074.56, 4022	6.87901	7.02062	9.68552	0.0026	3.39E-05	4.32E-05	4.06E-04	3.21E-05	5.15E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
391	BKGN	260133.2	4022606.1	260133.2, 40226	5.85194	6.01466	15.96626	0.00204	2.89E-05	3.70E-05	6.69E-04	2.52E-05	7.60E-04	2.6E-07	7.9E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	9.9E-08	1.2E-07	5.4E-07
392	BKGN	260191.84	4022606.1	260191.84, 4022	4.90608	5.05493	19.5817	0.00156	2.42E-05	3.11E-05	8.20E-04	1.92E-05	8.94E-04	3.1E-07	9.3E-07	4.9E-07	4.9E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.3E-08	1.2E-07	1.4E-07	6.3E-07
393	BKGN	260250.48	4022606.1	260250.48, 4022	4.12038	4.23278	22.85841	0.0013	2.03E-05	2.61E-05	9.57E-04	1.60E-05	1.02E-03	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.8E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
394	BKGN	260309.12	4022606.1	260309.12, 4022	3.49933	3.58152	6.64029	0.00115	1.73E-05	2.20E-05	2.78E-04	1.42E-05	3.32E-04	1.1E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.3E-08	3.8E-09	9.3E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
395	BKGN	260367.76	4022606.1	260367.76, 4022	3.01658	3.08158	3.72292	0.00104	1.49E-05	1.90E-05	1.56E-04	1.28E-05	2.03E-04	7.0E-08	2.1E-07	1.1E-07	1.1E-07	1.1E-07	5.1E-08	2.3E-09	5.7E-08	7.5E-09	1.9E-08	2.6E-08	3.1E-08	1.4E-07
396	BKGN	260426.4	4022606.1	260426.4, 40226	2.6358	2.69107	2.86968	0.00095	1.30E-05	1.66E-05	1.20E-04	1.17E-05	1.61E-04	5.6E-08	1.7E-07	8.9E-08	8.9E-08	8.9E-08	4.0E-08	1.9E-09	4.5E-08	6.0E-09	1.5E-08	2.1E-08	2.5E-08	1.1E-07
397	BKGN	260485.04	4022606.1	260485.04, 4022	2.32737	2.37586	2.41985	0.00086	1.15E-05	1.46E-05	1.01E-04	1.06E-05	1.38E-04	4.8E-08	1.4E-07	7.6E-08	7.6E-08	7.6E-08	3.5E-08	1.6E-09	3.9E-08	5.1E-09	1.3E-08	1.8E-08	2.1E-08	9.7E-08
398	BKGN	260543.68	4022606.1	260543.68, 4022	2.07185	2.11469	2.12468	0.00078	1.02E-05	1.30E-05	8.90E-05	9.62E-06	1.22E-04	4.2E-08	1.3E-07	6.7E-08	6.7E-08	6.7E-08	3.0E-08	1.4E-09	3.4E-08	4.5E-09	1.1E-08	1.6E-08	1.9E-08	8.6E-08
399	BKGN	260602.32	4022606.1	260602.32, 4022	1.85606	1.89382	1.90739	0.00071	9.15E-06	1.17E-05	7.99E-05	8.76E-06	1.09E-04	3.8E-08	1.1E-07	6.0E-08	6.0E-08	6.0E-08	2.7E-08	1.3E-09	3.1E-08	4.1E-09	1.0E-08	1.4E-08	1.7E-08	7.7E-08
400	BKGN	259429.52	4022649.62	259429.52, 4022	3.25345	3.20826	2.49955	0.00166	1.60E-05	1.98E-05	1.05E-04	2.05E-05	1.61E-04	5.6E-08	1.7E-07	8.8E-08	8.8E-08	8.8E-08	4.0E-08	1.9E-09	4.5E-08	6.0E-09	1.5E-08	2.1E-08	2.5E-08	1.1E-07
401	BKGN	259488.16	4022649.62	259488.16, 4022	3.71154	3.6568	2.94039	0.00191	1.83E-05	2.25E-05	1.23E-04	2.36E-05	1.87E-04	6.5E-08	2.0E-07	1.0E-07	1.0E-07	1.0E-07	4.7E-08	2.2E-09	5.2E-08	7.0E-09	1.7E-08	2.4E-08	2.9E-08	1.3E-07
402	BKGN	259546.8	4022649.62	259546.8, 40226	4.23887	4.16558	3.52479	0.00218	2.09E-05	2.56E-05	1.48E-04	2.69E-05	2.21E-04	7.7E-08	2.3E-07	1.2E-07	1.2E-07	1.2E-07	5.5E-08	2.6E-09	6.2E-08	8.2E-09	2.1E-08	2.9E-08	3.4E-08	1.6E-07
403	BKGN	259605.44	4022649.62	259605.44, 4022	4.87459	4.7632	4.11207	0.00245	2.40E-05	2.93E-05	1.72E-04	3.02E-05	2.56E-04	8.9E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.4E-08	3.0E-09	7.1E-08	9.5E-09	2.4E-08	3.3E-08	3.9E-08	1.8E-07
404	BKGN	259664.08	4022649.62	259664.08, 4022	5.71633	5.55824	4.56369	0.00274	2.82E-05	3.42E-05	1.91E-04	3.38E-05	2.87E-04	9.9E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.2E-08	3.3E-09	8.0E-08	1.1E-08	2.7E-08	3.7E-08	4.4E-08	2.0E-07
405	BKGN	259722.72	4022649.62	259722.72, 4022	6.79795	6.64111	4.82384	0.00313	3.35E-05	4.09E-05	2.02E-04	3.86E-05	3.15E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	7.9E-08	3.6E-09	8.8E-08	1.2E-08	2.9E-08	4.1E-08	4.9E-08	2.2E-07
406	BKGN	259781.36	4022649.62	259781.36, 4022	7.77232	7.66717	4.95538	0.00371	3.83E-05	4.72E-05	2.07E-04	4.58E-05	3.39E-04	1.2E-07	3.5E-07	1.9E-07	1.9E-07	1.9E-07	8.5E-08	3.9E-09	9.5E-08	1.3E-08	3.2E-08	4.4E-08	5.2E-08	2.4E-07
407	BKGN	259840	4022649.62	259840, 402264	8.17109	8.10778	5.00595	0.00431	4.03E-05	4.99E-05	2.10E-04	5.32E-05	3.53E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.8E-08	4.1E-09	9.9E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
408	BKGN	259898.64	4022649.62	259898.64, 4022	8.09132	8.0784	5.0725	0.0042	3.99E-05	4.97E-05	2.12E-04	5.18E-05	3.54E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.9E-08	4.1E-09	9.9E-08	1.3E-08	3.3E-08	4.6E-08	5.5E-08	2.5E-07
409	BKGN	259957.28	4022649.62	259957.28, 4022	7.53391	7.62386	5.27529	0.00329	3.71E-05	4.69E-05	2.21E-04	4.06E-05	3.46E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.6E-08	4.0E-09	9.6E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
410	BKGN	260015.92	4022649.62	260015.92, 4022	6.53269	6.64627	5.75759	0.0027	3.22E-05	4.09E-05	2.41E-04	3.33E-05	3.48E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	1.3E-08	3.2E-08	4.5E-08	5.4E-08	2.5E-07
411	BKGN	260074.56	4022649.62	260074.56, 4022	5.68539	5.78462	6.61373	0.00236	2.80E-05	3.56E-05	2.77E-04	2.91E-05	3.70E-04	1.3E-07	3.9E-07	2.0E-07	2.0E-07	2.0E-07	9.3E-08	4.3E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.7E-08	2.6E-07
412	BKGN	260133.2	4022649.62	260133.2, 40226	5.00517	5.11411	8.06245	0.00198	2.47E-05	3.15E-05	3.38E-04	2.44E-05	4.18E-04	1.4E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.4E-08	6.5E-08	3.0E-07
413	BKGN	260191.84	4022649.62	260191.84, 4022	4.32818	4.44164	10.49457	0.00155	2.13E-05	2.73E-05	4.39E-04	1.91E-05	5.07E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
414	BKGN	260250.48	4022649.62	260250.48, 4022	3.71512	3.81507	11.11816	0.00124	1.83E-05	2.35E-05	4.66E-04	1.53E-05	5.23E-04	1.8E-07	5.5E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.9E-08	6.8E-08	8.1E-08	3.7E-07
415	BKGN	260309.12	4022649.62	260309.12, 4022	3.1922	3.26917	4.99071	0.00106	1.57E-05	2.01E-05	2.09E-04	1.31E-05	2.58E-04	8.9E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.2E-08	9.6E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
416	BKGN	260367.76	4022649.62	260367.76, 4022	2.7687	2.82689	3.30059	0.00095	1.37E-05	1.74E-05	1.38E-04	1.17E-05	1.81E-04	6.3E-08	1.9E-07	9.9E-08	9.9E-08	9.9E-08	4.5E-08	2.1E-09	5.1E-08	6.7E-09	1.7E-08	2.4E-08	2.8E-08	1.3E-07
417	BKGN	260426.4	4022649.62	260426.4, 40226	2.43117	2.4779	2.6283	0.00087	1.20E-05	1.53E-05	1.10E-04	1.07E-05	1.48E-04	5.1E-08	1.5E-07	8.1E-08	8.1E-08	8.1E-08	3.7E-08	1.7E-09	4.1E-08	5.5E-09	1.4E-08	1.9E-08	2.3E-08	1.0E-07
418	BKGN	260485.04	4022649.62	260485.04, 4022	2.15869	2.19855	2.24336	0.0008	1.06E-05	1.35E-05	9.39E-05	9.87E-06	1.28E-04	4.4E-08	1.3E-07	7.0E-08	7.0E-08	7.0E-08	3.2E-08	1.5E-09	3.6E-08	4.8E-09	1.2E-08	1.7E-08	2.0E-08	9.0E-08
419	BKGN	260543.68	4022649.62	260543.68, 4022	1.93412	1.96927	1.98183	0.00074	9.54E-06	1.21E-05	8.30E-05	9.13E-06	1.14E-04	3.9E-08	1.2E-07	6.2E-08	6.2E-08	6.2E-08	2.8E-08	1.3E-09	3.2E-08	4.2E-09	1.1E-08	1.5E-08	1.8E-08	8.0E-08
420	BKGN	260602.32	4022649.62	260602.32, 4022	1.74509	1.77652	1.78542	0.00068	8.60E-06	1.09E-05	7.48E-05	8.39E-06	1.03E-04	3.6E-08	1.1E-07	5.6E-08	5.6E-08	5.6E-08	2.6E-08	1.2E-09	2.9E-08	3.8E-09	9.6E-09	1.3E-08	1.6E-08	7.2E-08
421	BKGN	259429.52	4022693.14	259429.52, 4022	2.9619	2.92502	2.25751	0.00166	1.46E-05	1.80E-05	9.45E-05	2.05E-05	1.48E-04	5.1E-08	1.5E-07	8.1E-08	8.1E-08	8.1E-08	3.7E-08	1.7E-09	4.1E-08	5.5E-09	1.4E-08	1.9E-08	2.3E-08	1.0E-07
422	BKGN	259488.16	4022693.14	259488.16, 4022	3.32139	3.27562	2.57151	0.00187	1.64E-05	2.02E-05	1.08E-04	2.31E-05	1.67E-04	5.8E-08	1.7E-07	9.2E-08	9.2E-08	9.2E-08	4.2E-08	1.9E-09	4.7E-08	6.2E-09	1.6E-08	2.2E-08	2.6E-08	1.2E-07
423	BKGN	259546.8	4022693.14	259546.8, 40226	3.73672	3.67265	2.94526	0.00208	1.84E-05	2.26E-05	1.23E-04	2.57E-05	1.90E-04	6.6E-08	2.0E-07	1.0E-07	1.0E-07	1.0E-07	4.8E-08	2.2E-09	5.3E-08	7.1E-09	1.8E-08	2.5E-08	2.9E-08	1.3E-07
424	BKGN	259605.44	4022693.14	259605.44, 4022	4.25845	4.16373	3.30941	0.00228	2.10E-05	2.56E-05	1.39E-04	2.81E-05	2.13E-04	7.4E-08	2.2E-07	1.2E-07	1.2E-07	1.2E-07	5.3E-08	2.5E-09	6.0E-08	7.9E-09	2.0E-08	2.8E-08	3.3E-08	1.5E-07
425	BKGN	259664.08	4022693.14	259664.08, 4022	4.95104	4.83758	3.61205	0.00254	2.44E-05	2.98E-05	1.51E-04	3.13E-05	2.37E-04	8.2E-08	2.5E-07	1.3E-07	1.3E-07	1.3E-07	5.9E-08	2.7E-09	6.6E-08	8.8E-09	2.2E-08	3.1E-08	3.7E-08	1.7E-07
426	BKGN	259722.72	4022693.14	259722.72, 4022	5.74317	5.6491	3.82537	0.00291	2.83E-05	3.48E-05	1.60E-04	3.59E-05	2.59E-04	9.0E-08	2.7E-07	1.4E-07	1.4E-07	1.4E-07	6.5E-08	3.0E-09	7.2E-08	9.6E-09	2.4E-08	3.4E-08	4.0E-08	1.8E-07
427	BKGN	259781.36	4022693.14	259781.36, 4022	6.33613	6.2829	3.97104	0.0034	3.12E-05	3.87E-05	1.66E-04	4.19E-05	2.78E-04	9.6E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	1.0E-08	2.6E-08	3.6E-08	4.3E-08	2.0E-07
428	BKGN	259840	4022693.14	259840, 402269	6.53252	6.505	4.07225	0.00382	3.22E-05	4.00E-05	1.71E-04	4.71E-05	2.90E-04	1.0E-07	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.1E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.0E-07
429	BKGN	259898.64	4022693.14	259898.64, 4022	6.47479	6.4774	4.16217	0.00361	3.19E-05	3.99E-05	1.74E-04	4.45E-05	2.91E-04	1.0E-07	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.1E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
430	BKGN	259957.28	4022693.14	259957.28, 4022	6.12626	6.19412	4.3023	0.00291	3.02E-05	3.81E-05	1.80E-04	3.59E-05	2.84E-04	9.8E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.1E-08	3.3E-09	7.9E-08	1.1E-08	2.6E-08	3.7E-08	4.4E-08	2.0E-07
431	BKGN	260015.92	4022693.14	260015.92, 4022	5.46522	5.55922	4.57463	0.00242	2.69E-05	3.42E-05	1.92E-04	2.98E-05	2.83E-04	9.8E-08	3.0E-07	1.5E-07	1.5E-07	1.5E-07	7.1E-08	3.3E-09	7.9E-08	1.1E-08	2.6E-08	3.7E-08	4.4E-08	2.0E-07
432	BKGN	260074.56	4022693.14	260074.56, 4022	4.79158	4.87009	4.92007	0.00213	2.36E-05	3.00E-05	2.06E-04	2.63E-05	2.86E-04	9.9E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.2E-08	3.3E-09	8.0E-08	1.1E-08	2.7E-08	3.7E-08	4.4E-08	2.0E-07

433	BKGN	260133.2	4022693.14	260133.2, 40226	4.29051	4.36745	5.38426	0.00187	2.12E-05	2.69E-05	2.25E-04	2.31E-05	2.97E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
434	BKGN	260191.84	4022693.14	260191.84, 4022	3.81098	3.89285	5.62175	0.00154	1.88E-05	2.40E-05	2.35E-04	1.90E-05	2.97E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
435	BKGN	260250.48	4022693.14	260250.48, 4022	3.34992	3.43097	5.0799	0.00123	1.65E-05	2.11E-05	2.13E-04	1.52E-05	2.66E-04	9.2E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.6E-08	3.1E-09	7.4E-08	9.9E-09	2.5E-08	3.5E-08	4.1E-08	1.9E-07
436	BKGN	260309.12	4022693.14	260309.12, 4022	2.92633	2.99662	3.72492	0.00102	1.44E-05	1.84E-05	1.56E-04	1.26E-05	2.01E-04	7.0E-08	2.1E-07	1.1E-07	1.1E-07	1.1E-07	5.0E-08	2.3E-09	5.6E-08	7.5E-09	1.9E-08	2.6E-08	3.1E-08	1.4E-07
437	BKGN	260367.76	4022693.14	260367.76, 4022	2.56172	2.61702	2.85953	0.0009	1.26E-05	1.61E-05	1.20E-04	1.11E-05	1.60E-04	5.5E-08	1.7E-07	8.8E-08	8.8E-08	8.8E-08	4.0E-08	1.8E-09	4.5E-08	5.9E-09	1.5E-08	2.1E-08	2.5E-08	1.1E-07
438	BKGN	260426.4	4022693.14	260426.4, 40226	2.25841	2.30142	2.38192	0.00082	1.11E-05	1.42E-05	9.97E-05	1.01E-05	1.35E-04	4.7E-08	1.4E-07	7.4E-08	7.4E-08	7.4E-08	3.4E-08	1.6E-09	3.8E-08	5.0E-09	1.3E-08	1.8E-08	2.1E-08	9.5E-08
439	BKGN	260485.04	4022693.14	260485.04, 4022	2.01194	2.04704	2.07016	0.00076	9.92E-06	1.26E-05	8.67E-05	9.37E-06	1.19E-04	4.1E-08	1.2E-07	6.5E-08	6.5E-08	6.5E-08	3.0E-08	1.4E-09	3.3E-08	4.4E-09	1.1E-08	1.5E-08	1.8E-08	8.4E-08
440	BKGN	260543.68	4022693.14	260543.68, 4022	1.80715	1.8372	1.84697	0.0007	8.91E-06	1.13E-05	7.73E-05	8.63E-06	1.06E-04	3.7E-08	1.1E-07	5.8E-08	5.8E-08	5.8E-08	2.7E-08	1.2E-09	3.0E-08	4.0E-09	9.9E-09	1.4E-08	1.6E-08	7.5E-08
441	BKGN	260602.32	4022693.14	260602.32, 4022	1.6371	1.66365	1.6725	0.00065	8.07E-06	1.02E-05	7.00E-05	8.02E-06	9.64E-05	3.3E-08	1.0E-07	5.3E-08	5.3E-08	5.3E-08	2.4E-08	1.1E-09	2.7E-08	3.6E-09	9.0E-09	1.3E-08	1.5E-08	6.8E-08
442	R_1	259632.9	4022073.46	259632.9, 40220	5.90057	5.60817	18.8167	0.00151	2.91E-05	3.45E-05	7.88E-04	1.86E-05	8.70E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.1E-07
443	R_2	259632.9	4022093.46	259632.9, 40220	6.44386	6.10956	12.9063	0.00159	3.18E-05	3.76E-05	5.40E-04	1.96E-05	6.29E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.3E-08	5.9E-08	8.2E-08	9.7E-08	4.4E-07
444	R_3	259632.9	4022113.46	259632.9, 40221	7.04477	6.66635	10.12309	0.00167	3.47E-05	4.10E-05	4.24E-04	2.06E-05	5.20E-04	1.8E-07	5.4E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
445	R_4	259632.9	4022133.46	259632.9, 40221	7.69724	7.27663	8.52998	0.00174	3.80E-05	4.48E-05	3.57E-04	2.15E-05	4.61E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.3E-07
446	R_5	259632.9	4022153.46	259632.9, 40221	8.39036	7.93365	7.51055	0.00181	4.14E-05	4.88E-05	3.14E-04	2.23E-05	4.27E-04	1.5E-07	4.5E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
447	R_6	259632.9	4022173.46	259632.9, 40221	9.10098	8.61536	6.81084	0.00187	4.49E-05	5.30E-05	2.85E-04	2.31E-05	4.06E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
448	R_7	259632.9	4022193.46	259632.9, 40221	9.80033	9.28633	6.3106	0.00193	4.83E-05	5.72E-05	2.64E-04	2.38E-05	3.94E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.8E-08	4.5E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
449	R_8	259632.9	4022213.46	259632.9, 40222	10.45753	9.90285	5.94592	0.002	5.16E-05	6.10E-05	2.49E-04	2.47E-05	3.86E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	6.0E-08	2.7E-07
450	R_9	259632.9	4022233.46	259632.9, 40222	11.0507	10.43395	5.68103	0.00209	5.45E-05	6.42E-05	2.38E-04	2.58E-05	3.82E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.6E-08	4.4E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	5.9E-08	2.7E-07
451	R_10	259652.9	4022073.46	259652.9, 40220	6.21079	5.88683	18.28704	0.00155	3.06E-05	3.62E-05	7.66E-04	1.91E-05	8.52E-04	2.9E-07	8.9E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
452	R_11	259652.9	4022093.46	259652.9, 40220	6.82445	6.44809	12.88025	0.00165	3.36E-05	3.97E-05	5.39E-04	2.04E-05	6.33E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.4E-08	5.9E-08	8.2E-08	9.8E-08	4.5E-07
453	R_12	259652.9	4022113.46	259652.9, 40221	7.51238	7.07785	10.19237	0.00174	3.70E-05	4.36E-05	4.27E-04	2.15E-05	5.29E-04	1.8E-07	5.5E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	2.0E-08	4.9E-08	6.9E-08	8.2E-08	3.7E-07
454	R_13	259652.9	4022133.46	259652.9, 40221	8.27081	7.77675	8.63394	0.00183	4.08E-05	4.79E-05	3.62E-04	2.26E-05	4.73E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
455	R_14	259652.9	4022153.46	259652.9, 40221	9.09749	8.5483	7.63822	0.00191	4.49E-05	5.26E-05	3.20E-04	2.36E-05	4.41E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
456	R_15	259652.9	4022173.46	259652.9, 40221	9.96859	9.37464	6.95683	0.00199	4.92E-05	5.77E-05	2.91E-04	2.45E-05	4.23E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
457	R_16	259652.9	4022193.46	259652.9, 40221	10.84754	10.21698	6.47239	0.00206	5.35E-05	6.29E-05	2.71E-04	2.54E-05	4.13E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.8E-08	5.4E-08	6.4E-08	2.9E-07
458	R_17	259652.9	4022213.46	259652.9, 40222	11.69523	11.02179	6.12352	0.00214	5.77E-05	6.79E-05	2.56E-04	2.64E-05	4.08E-04	1.4E-07	4.3E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
459	R_18	259652.9	4022233.46	259652.9, 40222	12.47619	11.73453	5.87546	0.00223	6.15E-05	7.22E-05	2.46E-04	2.75E-05	4.07E-04	1.4E-07	4.3E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
460	R_19	259672.9	4022073.46	259672.9, 40220	6.54952	6.18983	18.09988	0.0016	3.23E-05	3.81E-05	7.58E-04	1.97E-05	8.48E-04	2.9E-07	8.9E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
461	R_20	259672.9	4022093.46	259672.9, 40220	7.23519	6.81158	12.89832	0.00171	3.57E-05	4.19E-05	5.40E-04	2.11E-05	6.39E-04	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	2.4E-08	5.9E-08	8.3E-08	9.9E-08	4.5E-07
462	R_21	259672.9	4022113.46	259672.9, 40221	8.01595	7.51805	10.2786	0.00182	3.95E-05	4.63E-05	4.30E-04	2.24E-05	5.39E-04	1.9E-07	5.6E-07	3.0E-07	3.0E-07	3.0E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
463	R_22	259672.9	4022133.46	259672.9, 40221	8.89527	8.31576	8.75621	0.00192	4.39E-05	5.12E-05	3.67E-04	2.37E-05	4.85E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.3E-08	7.5E-08	3.4E-07
464	R_23	259672.9	4022153.46	259672.9, 40221	9.87571	9.21365	7.78458	0.00202	4.87E-05	5.67E-05	3.26E-04	2.49E-05	4.56E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
465	R_24	259672.9	4022173.46	259672.9, 40221	10.93901	10.20448	7.12357	0.00211	5.39E-05	6.28E-05	2.98E-04	2.60E-05	4.41E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
466	R_25	259672.9	4022193.46	259672.9, 40221	12.04697	11.25659	6.65782	0.00221	5.94E-05	6.93E-05	2.79E-04	2.73E-05	4.35E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.7E-08	6.7E-08	3.1E-07
467	R_26	259672.9	4022213.46	259672.9, 40222	13.14722	12.30664	6.32749	0.0023	6.48E-05	7.58E-05	2.65E-04	2.84E-05	4.34E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.7E-08	6.7E-08	3.1E-07
468	R_27	259672.9	4022233.46	259672.9, 40222	14.18638	13.27303	6.09927	0.0024	7.00E-05	8.17E-05	2.55E-04	2.96E-05	4.37E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.7E-08	3.1E-07
469	R_28	259692.9	4022073.46	259692.9, 40220	6.92229	6.52191	18.24627	0.00166	3.41E-05	4.02E-05	7.64E-04	2.05E-05	8.59E-04	3.0E-07	9.0E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.9E-09	2.4E-07	3.2E-08	8.0E-08	1.1E-07	1.3E-07	6.1E-07
470	R_29	259692.9	4022093.46	259692.9, 40220	7.67943	7.20266	12.96068	0.00177	3.79E-05	4.43E-05	5.43E-04	2.18E-05	6.47E-04	2.2E-07	6.8E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.5E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	1.0E-07	4.6E-07
471	R_30	259692.9	4022113.46	259692.9, 40221	8.55758	7.9884	10.38141	0.00189	4.22E-05	4.92E-05	4.35E-04	2.33E-05	5.49E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.4E-09	1.5E-07	2.0E-08	5.1E-08	7.2E-08	8.5E-08	3.9E-07
472	R_31	259692.9	4022133.46	259692.9, 40221	9.57111	8.89339	8.8957	0.00201	4.72E-05	5.47E-05	3.72E-04	2.48E-05	4.99E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.8E-09	1.4E-07	1.9E-08	4.6E-08	6.5E-08	7.7E-08	3.5E-07
473	R_32	259692.9	4022153.46	259692.9, 40221	10.72918	9.93214	7.95178	0.00213	5.29E-05	6.11E-05	3.33E-04	2.63E-05	4.73E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
474	R_33	259692.9	4022173.46	259692.9, 40221	12.02558	11.11208	7.31514	0.00225	5.93E-05	6.84E-05	3.06E-04	2.78E-05	4.62E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.3E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.3E-07
475	R_34	259692.9	4022193.46	259692.9, 40221	13.42431	12.41474	6.87195	0.00236	6.62E-05	7.64E-05	2.88E-04	2.91E-05	4.59E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.2E-07
476	R_35	259692.9	4022213.46	259692.9, 40222	14.86078	13.77854	6.56401	0.00247	7.33E-05	8.48E-05	2.75E-04	3.05E-05	4.63E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.2E-08	3.3E-07
477	R_36	259692.9	4022233.46	259692.9, 40222	16.25827	15.09648	6.359	0.00258	8.02E-05	9.29E-05	2.66E-04	3.18E-05	4.71E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.8E-08	4.4E-08	6.1E-08	7.3E-08	3.3E-07
478	R_37	259712.9	4022073.46	259712.9, 40220	7.31733	6.8727	18.31075	0.00172	3.61E-05	4.23E-05	7.67E-04	2.12E-05	8.66E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.1E-07
479	R_38	259712.9	4022093.46	259712.9, 40220	8.15485	7.61912	13.03397	0.00183	4.02E-05	4.69E-05	5.46E-04	2.26E-05	6.55E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	2.4E-08	6.1E-08	8.5E-08	1.0E-07	4.6E-07
480	R_39	259712.9	4022113.46	259712.9, 40221	9.1408	8.49148	10.5032	0.00196	4.51E-05	5.23E-05	4.40E-04	2.42E-05	5.61E-04	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
481	R_40	259712.9	4022133.46	259712.9, 40221	10.30289	9.51354	9.05571	0.0021	5.08E-05	5.86E-05	3.79E-04	2.59E-05	5.14E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
482	R_41	259712.9	4022153.46	259712.9, 40221	11.66602	10.71063	8.14308	0.00225	5.75E-05	6.59E-05	3.41E-04	2.78E-05	4.92E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
483	R_42	259712.9	4022173.46	259712.9, 40221	13.24224	12.10541	7.53561	0.00239	6.53E-05	7.45E-05	3.16E-04	2.95E-05	4.85E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.3E-08	7.5E-08	3.4E-07
484	R_43	259712.9	4022193.46	259712.9, 40221	15.00883	13.7024	7.12042	0.00253	7.40E-05	8.44E-05	2.98E-04	3.12E-05	4.88E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.4E-08	7.5E-08	3.4E-07
485	R_44	259712.9	4022213.46	259712.9, 40222	16.89568	15.45932	6.83999	0.00265	8.33E-05	9.52E-05	2.86E-04	3.27E-05	4.98E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.8E-09	1.4E-07	1.9E-08	4.6E-08	6.5E-08	7.7E-08	3.5E-07
486	R_45	259712.9	4022233.46	259712.9, 40222	18.79678	17.25755	6.66193	0.00278	9.27E-05	1.06E-04	2.79E-04	3.43E-05	5.12E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
487	R_46	259732.9	4022073.46	259732.9, 40220	7.73185	7.23996	18.24034	0.0018	3.81E-05	4.46E-05	7.64E-04	2.22E-05	8.69E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.1E-07
488	R_47	259732.9	4022093.46	259732.9, 40220	8.66195	8.06149	13.11662	0.00191	4.27E-05	4.96E-05	5.49E-04	2.36E-05	6.65E-04	2.3E-07	7.0E-07	3.6E-07	3.6E-07	3.6E-07	1.7E-07	7.7E-09	1.9E-07	2.5E-08	6.2E-08	8.7E-08	1.0E-07	4.7E-07
489	R_48	259732.9	4022113.46	259732.9, 40221	9.76947	9.03029	10.64678	0.00204	4.82E-05	5.56E-05	4.46E-04	2.52E-05	5.75E-04	2.0E-07	6.0E-07	3.2E-07	3.2E-07	3.2E-07	1.4E-07	6.6E-09	1.6E-07	2.1E-08	5.4E-08	7.5E-08	8.9E-08	4.1E-07
490	R_49	259732.9	4022133.46	259732.9, 40221	11.09496	10.17867	9.23635	0.00219	5.47E-05	6.27E-05	3.87E-04	2.70E-05	5.31E-04	1.8E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	2.0E-08	4.9E-08	6.9E-08	8.2E-08	3.7E-07
491	R_50	259732.9	4022153.46	259732.9, 40221	12.68965	11.54955	8.35863	0.00235	6.26E-05	7.11E-05	3.50E-04	2.90E-05	5.13E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
492	R_51	259732.9	4022173.46	259732.9, 40221	14.59739	13.18775	7.78746	0.00252	7.20E-05	8.12E-05	3.26E-04	3.11E-05	5.10E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
493	R_52	259732.9	4022193.46	259732.9, 40221	16.83219	15.13234	7.41	0.00269	8.30E-05	9.32E-05	3.10E-04	3.32E-05	5.20E-04	1.8E-07	5.4E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
494	R_53	259732.9	4022213.46	259732.9, 40222	19.32783	17.37267	7.16406	0.00285	9.53E-05	1.07E-04	3.00E-04	3.52E-05	5.37E-04	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
495	R_54	259732.9	4022233.46	259732.9, 40222	21.94952	19.81388	7.01711	0.00299	1.08E-04	1.22E-04	2.94E-04	3.69E-05	5.61E-04	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
496	R_55	259752.9	4022073.46	259752.9, 40220	8.17357	7.63029	18.20352	0.00188	4.03E-05	4.70E-05	7.62E-04	2.32E-05	8.73E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.2E-07
497	R_56	259752.9	4022093.46	259752.9, 40220	9.20442	8.53305	13.22335	0.002	4.54E-05	5.25E-05	5.54E-04	2.47E-05	6.76E-04	2.3E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.8E-09	1.9E-07	2.5E-08	6.3E-08	8.8E-08	1.0E-07	4.8E-07
498	R_57	259772.9	4022073.46	259772.9, 40220	8.64351	8.04279	18.19084	0.00199	4.26E-05	4.95E-05	7.62E-04	2.45E-05	8.78E-04	3.0E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.1E-07	1.4E-07	6.2E-07
499	R_58	259772.9	4022093.46	259772.9, 40220	9.78537	9.03527	13.35801	0.00211	4.82E-05	5.56E-05	5.59E-04	2.60E-05	6.89E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.4E-08	9.0E-08	1.1E-07	4.9E-07
500	R_59	259792.9	4022073.46	259792.9, 40220	9.15374	8.48123	18.22676	0.00213	4.51E-05	5.22E-05	7.63E-04	2.63E-05	8.87E-04	3.1E-07	9.3E-07	4.9E-07	4.9E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.3E-08	1.2E-07	1.4E-07	6.3E-07
501	R_60	259792.9	4022093.46	259792.9, 40220	10.41565	9.57087	13.52858	0.00225	5.14E-05	5.89E-05	5.66E-04	2.78E-05	7.05E-04	2.4E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.1E-09	2.0E-07	2.6E-08	6.6E-08	9.2E-08	1.1E-07	5.0E-07
502	R_61	259812.9	4022073.46	259812.9, 40220	9.73639	8.9584	18.30277	0.00228	4.80E-05	5.51E-05	7.66E-04	2.81E-05	8.98E-04	3.1E-07	9.4E-07	4.9E-07	4.9E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.4E-08	1.2E-07	1.4E-07	6.3E-07
503	R_62	259812.9	4022093.46	259812.9, 40220	11.1314	10.1522	13.74266	0.00241	5.49E-05	6.25E-05	5.75E-04	2.97E-05	7.23E-04	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
504	R_63	259832.9	4022073.46	259832.9, 40220	10.45637	9.51389	18.4305	0.00246	5.16E-05	5.86E-05	7.72E-04	3.03E-05	9.12E-04	3.2E-07	9.5E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.5E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.4E-07
505	R_64	259832.9	4022093.46	259832.9, 40220	12.01379	10.82179	14.00391	0.0026	5.92E-05	6.66E-05	5.86E-04	3.21E-05	7.44E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.7E-08	1.1E-07	5.3E-07
506	S_1	259920.63	4022125.03	259920.63, 4022	28.23859	22.54471	14.04664	0.00444	1.39E-04	1.39E-04	5.88E-04	5.48E-05	9.21E-04	3.2E-07	9.6E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
507	S_2	259920.63	4022145.03	259920.63, 4022	36.48427	27.79026	13.66902	0.00472	1.80E-04	1.71E-04	5.72E-04	5.82E-05	9.82E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.5E-07	1.1E-08	2.7E-07	3.7E-08	9.1E-08	1.3E-07	1.5E-07	6.9E-07
508	S_3	259920.63	4022165.03	259920.63, 4022	48.99104	35.22905	13.98906	0.00496	2.42E-04	2.17E-04	5.86E-04	6.12E-05	1.11E-03	3.8E-07	1.2E-06	6.1E-07	6.1E-07	6.1E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
509	S_4	259940.63	4022105.03	259940.63, 4022	26.32665	21.43405	16.41736	0.00503	1.30E-04	1.32E-04	6.87E-04	6.20E-05	1.01E-03	3.5E-07	1.1E-06	5.5E-07	5.5E-07	5.5E-07	2.5E-07	1.2E-08	2.8E-07	3.8E-08	9.4E-08	1.3E-07	1.6E-07	7.1E-07
510	S_5	259940.63	4022125.03	259940.63, 4022	33.31145	26.27061	15.38376	0.00547	1.64E-04	1.62E-04	6.44E-04	6.75E-05	1.04E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.7E-08	1.4E-07	1.6E-07	7.3E-07
511	S_6	259940.63	4022145.03	259940.63, 4022	43.26749	33.04638	15.14329	0.00593	2.13E-04	2.03E-04	6.34E-04	7.31E-05	1.12E-03	3.9E-07	1.2E-06	6.2E-07	6.2E-07	6.2E-07	2.8E-07	1.3E-08	3.1E-07	4.2E-08	1.0E-07	1.5E-07	1.7E-07	7.9E-07
512	S_7	259940.63	4022165.03	259940.63, 4022	57.5799	42.92445	15.61524	0.0064	2.84E-04	2.64E-04	6.54E-04	7.89E-05	1.28E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.0E-07
513	S_8	259960.63	4022105.03	259960.63, 4022	30.36376	24.81435	18.17804	0.00658	1.50E-04	1.53E-04	7.61E-04	8.12E-05	1.14E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
514	S_9	259960.63	4022125.03	259960.63, 4022	38.36048	30.9196	17.22969	0.00743	1.89E-04	1.90E-04	7.21E-04	9.16E-05	1.19E-03	4.1E-07	1.2E-06	6.5E-07	6.5E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.6E-07	1.8E-07	8.4E-07
515	S_10	259960.63	4022145.03	259960.63, 4022	49.22408	39.55819	17.0614	0.00844	2.43E-04	2.44E-04	7.14E-04	1.04E-04	1.30E-03	4.5E-07	1.4E-06	7.2E-07	7.2E-07	7.2E-07	3.3E-07	1.5E-08	3.6E-07	4.9E-08	1.2E-07	1.7E-07	2.0E-07	9.2E-07
516	S_11	259960.63	4022165.03	259960.63, 4022	63.8424	52.13481	17.56433	0.00967	3.15E-04	3.21E-04	7.35E-04	1.19E-04	1.49E-03	5.2E-07	1.6E-06	8.2E-07	8.2E-07	8.2E-07	3.7E-07	1.7E-08	4.2E-07	5.5E-08	1.4E-07	1.9E-07	2.3E-07	1.1E-06
517	S_12	259980.63	4022105.03	259980.63, 4022	34.17512	28.82686	20.98453	0.00909	1.69E-04	1.77E-04	8.79E-04	1.12E-04	1.34E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	5.0E-08	1.2E-07	1.7E-07	2.1E-07	9.4E-07
518	S_13	259980.63	4022125.03	259980.63, 4022	42.58581	36.22229	20.06127	0.0107	2.10E-04	2.23E-04	8.40E-04	1.32E-04	1.40E-03	4.9E-07	1.5E-06	7.7E-07	7.7E-07	7.7E-07	3.5E-07	1.6E-08	3.9E-07	5.2E-08	1.3E-07	1.8E-07	2.2E-07	9.9E-07
519	S_14	259980.63	4022145.03	259980.63, 4022	53.35375	46.44744	19.8935	0.01283	2.63E-04	2.86E-04	8.33E-04	1.58E-04	1.54E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.9E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
520	S_15	259980.63	4022165.03	259980.63, 4022	66.82611	60.65183	20.3404	0.01565	3.30E-04	3.73E-04	8.52E-04	1.93E-04	1.75E-03	6.0E-07	1.8E-06	9.6E-07	9.6E-07	9.6E-07	4.4E-07	2.0E-08	4.9E-07	6.5E-08	1.6E-07	2.3E-07	2.7E-07	1.2E-06
521	S_16	260000.63	4022105.03	260000.63, 4022	37.16557	32.98145	26.61079	0.01261	1.83E-04	2.03E-04	1.11E-03	1.56E-04	1.66E-03	5.7E-07	1.7E-06	9.1E-07	9.1E-07	9.1E-07	4.1E-07	1.9E-08	4.6E-07	6.2E-08	1.5E-07	2.2E-07	2.6E-07	1.2E-06

522	S_17	260000.63	4022125.03	260000.63, 4022	45.24225	41.16627	25.6082	0.01535	2.23E-04	2.53E-04	1.07E-03	1.89E-04	1.74E-03	6.0E-07	1.8E-06	9.5E-07	9.5E-07	9.5E-07	4.4E-07	2.0E-08	4.9E-07	6.5E-08	1.6E-07	2.3E-07	2.7E-07	1.2E-06
523	S_18	260000.63	4022145.03	260000.63, 4022	54.85543	51.84023	25.33977	0.01886	2.70E-04	3.19E-04	1.06E-03	2.33E-04	1.88E-03	6.5E-07	2.0E-06	1.0E-06	1.0E-06	1.0E-06	4.7E-07	2.2E-08	5.3E-07	7.0E-08	1.8E-07	2.5E-07	2.9E-07	1.3E-06
524	S_19	260000.63	4022165.03	260000.63, 4022	65.78788	65.40162	25.6169	0.02317	3.24E-04	4.03E-04	1.07E-03	2.86E-04	2.09E-03	7.2E-07	2.2E-06	1.1E-06	1.1E-06	1.1E-06	5.2E-07	2.4E-08	5.8E-07	7.8E-08	1.9E-07	2.7E-07	3.2E-07	1.5E-06
525	R_65	259550.34	4021844.01	259550.34, 4021	2.3197	2.2601	5.64442	0.00083	1.14E-05	1.39E-05	2.36E-04	1.02E-05	2.72E-04	9.4E-08	2.8E-07	1.5E-07	1.5E-07	1.5E-07	6.8E-08	3.1E-09	7.6E-08	1.0E-08	2.5E-08	3.5E-08	4.2E-08	1.9E-07
526	R_66	259550.34	4021864.01	259550.34, 4021	2.44879	2.38333	6.11719	0.00086	1.21E-05	1.47E-05	2.56E-04	1.06E-05	2.93E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.2E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
527	R_67	259550.34	4021884.01	259550.34, 4021	2.58932	2.5173	6.68037	0.00089	1.28E-05	1.55E-05	2.80E-04	1.10E-05	3.19E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	8.0E-08	3.7E-09	8.9E-08	1.2E-08	3.0E-08	4.2E-08	4.9E-08	2.3E-07
528	R_68	259550.34	4021904.01	259550.34, 4021	2.74271	2.66335	7.36819	0.00093	1.35E-05	1.64E-05	3.09E-04	1.15E-05	3.50E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.8E-08	4.0E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
529	R_69	259550.34	4021924.01	259550.34, 4021	2.91034	2.82273	8.23219	0.00097	1.44E-05	1.74E-05	3.45E-04	1.20E-05	3.88E-04	1.3E-07	4.1E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.1E-08	6.0E-08	2.7E-07
530	R_70	259550.34	4021944.01	259550.34, 4021	3.09439	2.99744	9.3681	0.00101	1.53E-05	1.85E-05	3.92E-04	1.25E-05	4.38E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
531	R_71	259550.34	4021964.01	259550.34, 4021	3.29508	3.18762	10.91164	0.00106	1.62E-05	1.96E-05	4.57E-04	1.31E-05	5.06E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
532	R_72	259550.34	4021984.01	259550.34, 4021	3.51355	3.39429	13.13363	0.0011	1.73E-05	2.09E-05	5.50E-04	1.36E-05	6.02E-04	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	7.0E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.3E-08	4.2E-07
533	R_73	259550.34	4022004.01	259550.34, 4022	3.75374	3.62114	16.75257	0.00115	1.85E-05	2.23E-05	7.01E-04	1.42E-05	7.56E-04	2.6E-07	7.9E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.7E-09	2.1E-07	2.8E-08	7.0E-08	9.9E-08	1.2E-07	5.3E-07
534	R_74	259550.34	4022024.01	259550.34, 4022	4.01533	3.86804	23.44852	0.00119	1.98E-05	2.38E-05	9.82E-04	1.47E-05	1.04E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.7E-08	1.4E-07	1.6E-07	7.3E-07
535	R_75	259570.34	4021844.01	259570.34, 4021	2.38195	2.31971	5.72046	0.00084	1.17E-05	1.43E-05	2.40E-04	1.04E-05	2.76E-04	9.6E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	6.9E-08	3.2E-09	7.7E-08	1.0E-08	2.6E-08	3.6E-08	4.3E-08	1.9E-07
536	R_76	259570.34	4021864.01	259570.34, 4021	2.51706	2.44845	6.19531	0.00087	1.24E-05	1.51E-05	2.59E-04	1.07E-05	2.98E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
537	R_77	259570.34	4021884.01	259570.34, 4021	2.66449	2.58873	6.76113	0.00091	1.31E-05	1.59E-05	2.83E-04	1.12E-05	3.23E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.1E-08	3.7E-09	9.0E-08	1.2E-08	3.0E-08	4.2E-08	5.0E-08	2.3E-07
538	R_78	259570.34	4021904.01	259570.34, 4021	2.82622	2.74239	7.45564	0.00094	1.39E-05	1.69E-05	3.12E-04	1.16E-05	3.55E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.9E-08	4.1E-09	9.9E-08	1.3E-08	3.3E-08	4.6E-08	5.5E-08	2.5E-07
539	R_79	259570.34	4021924.01	259570.34, 4021	3.00386	2.91089	8.33251	0.00098	1.48E-05	1.79E-05	3.49E-04	1.21E-05	3.94E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
540	R_80	259570.34	4021944.01	259570.34, 4021	3.19959	3.09624	9.4865	0.00103	1.58E-05	1.91E-05	3.97E-04	1.27E-05	4.45E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.7E-08	4.1E-08	5.8E-08	6.9E-08	3.1E-07
541	R_81	259570.34	4021964.01	259570.34, 4021	3.41362	3.29856	11.05222	0.00108	1.68E-05	2.03E-05	4.63E-04	1.33E-05	5.13E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
542	R_82	259570.34	4021984.01	259570.34, 4021	3.64766	3.51939	13.30859	0.00112	1.80E-05	2.17E-05	5.57E-04	1.38E-05	6.11E-04	2.1E-07	6.4E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	7.1E-09	1.7E-07	2.3E-08	5.7E-08	8.0E-08	9.4E-08	4.3E-07
543	R_83	259570.34	4022004.01	259570.34, 4022	3.90685	3.76345	17.00603	0.00118	1.93E-05	2.32E-05	7.12E-04	1.46E-05	7.69E-04	2.7E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.9E-09	2.1E-07	2.9E-08	7.2E-08	1.0E-07	1.2E-07	5.4E-07
544	R_84	259570.34	4022024.01	259570.34, 4022	4.19112	4.03073	23.87652	0.00123	2.07E-05	2.48E-05	1.00E-03	1.52E-05	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	3.9E-08	9.9E-08	1.4E-07	1.6E-07	7.5E-07
545	R_85	259590.34	4021844.01	259590.34, 4021	2.44754	2.38257	5.80805	0.00086	1.21E-05	1.47E-05	2.43E-04	1.06E-05	2.81E-04	9.7E-08	2.9E-07	1.5E-07	1.5E-07	1.5E-07	7.0E-08	3.2E-09	7.8E-08	1.0E-08	2.6E-08	3.7E-08	4.3E-08	2.0E-07
546	R_86	259590.34	4021864.01	259590.34, 4021	2.58922	2.51737	6.28696	0.00089	1.28E-05	1.55E-05	2.63E-04	1.10E-05	3.02E-04	1.0E-07	3.2E-07	1.7E-07	1.7E-07	1.7E-07	7.6E-08	3.5E-09	8.4E-08	1.1E-08	2.8E-08	3.9E-08	4.7E-08	2.1E-07
547	R_87	259590.34	4021884.01	259590.34, 4021	2.7443	2.66465	6.85933	0.00093	1.35E-05	1.64E-05	2.87E-04	1.15E-05	3.29E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.2E-08	3.8E-09	9.2E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
548	R_88	259590.34	4021904.01	259590.34, 4021	2.91466	2.82614	7.56109	0.00096	1.44E-05	1.74E-05	3.17E-04	1.18E-05	3.60E-04	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.4E-08	4.7E-08	5.6E-08	2.5E-07
549	R_89	259590.34	4021924.01	259590.34, 4021	3.10229	3.00369	8.44757	0.001	1.53E-05	1.85E-05	3.54E-04	1.23E-05	4.00E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.2E-08	6.2E-08	2.8E-07
550	R_90	259590.34	4021944.01	259590.34, 4021	3.30958	3.19948	9.61022	0.00105	1.63E-05	1.97E-05	4.02E-04	1.30E-05	4.51E-04	1.6E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
551	R_91	259590.34	4021964.01	259590.34, 4021	3.53742	3.41428	11.19381	0.0011	1.74E-05	2.10E-05	4.69E-04	1.36E-05	5.21E-04	1.8E-07	5.4E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
552	R_92	259590.34	4021984.01	259590.34, 4021	3.78812	3.65013	13.49856	0.00115	1.87E-05	2.25E-05	5.65E-04	1.42E-05	6.21E-04	2.1E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.6E-08	4.4E-07
553	R_93	259590.34	4022004.01	259590.34, 4022	4.06708	3.91197	17.2657	0.0012	2.01E-05	2.41E-05	7.23E-04	1.48E-05	7.82E-04	2.7E-07	8.2E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.0E-09	2.2E-07	2.9E-08	7.3E-08	1.0E-07	1.2E-07	5.5E-07
554	R_94	259590.34	4022024.01	259590.34, 4022	4.3753	4.20069	24.28374	0.00126	2.16E-05	2.59E-05	1.02E-03	1.55E-05	1.08E-03	3.7E-07	1.1E-06	5.9E-07	5.9E-07	5.9E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	1.0E-07	1.4E-07	1.7E-07	7.6E-07
555	R_95	259610.34	4021844.01	259610.34, 4021	2.51537	2.4476	5.90119	0.00088	1.24E-05	1.51E-05	2.47E-04	1.09E-05	2.85E-04	9.9E-08	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.1E-08	3.3E-09	8.0E-08	1.1E-08	2.7E-08	3.7E-08	4.4E-08	2.0E-07
556	R_96	259610.34	4021864.01	259610.34, 4021	2.66425	2.58906	6.38561	0.00092	1.31E-05	1.59E-05	2.67E-04	1.13E-05	3.08E-04	1.1E-07	3.2E-07	1.7E-07	1.7E-07	1.7E-07	7.7E-08	3.6E-09	8.6E-08	1.1E-08	2.9E-08	4.0E-08	4.7E-08	2.2E-07
557	R_97	259610.34	4021884.01	259610.34, 4021	2.82749	2.74384	6.9648	0.00095	1.39E-05	1.69E-05	2.92E-04	1.17E-05	3.34E-04	1.2E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.4E-08	3.9E-09	9.3E-08	1.2E-08	3.1E-08	4.4E-08	5.2E-08	2.4E-07
558	R_98	259610.34	4021904.01	259610.34, 4021	3.00695	2.91363	7.67348	0.00099	1.48E-05	1.79E-05	3.21E-04	1.22E-05	3.66E-04	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.2E-08	4.2E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.7E-08	2.6E-07
559	R_99	259610.34	4021924.01	259610.34, 4021	3.2049	3.1005	8.56698	0.00103	1.58E-05	1.91E-05	3.59E-04	1.27E-05	4.06E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
560	R_10(	259610.34	4021944.01	259610.34, 4021	3.42414	3.30702	9.7372	0.00107	1.69E-05	2.04E-05	4.08E-04	1.32E-05	4.58E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.2E-07
561	R_10:	259610.34	4021964.01	259610.34, 4021	3.66653	3.53487	11.34023	0.00112	1.81E-05	2.18E-05	4.75E-04	1.38E-05	5.28E-04	1.8E-07	5.5E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	2.0E-08	4.9E-08	6.9E-08	8.2E-08	3.7E-07
562	R_10;	259610.34	4021984.01	259610.34, 4021	3.93518	3.78677	13.69337	0.00117	1.94E-05	2.33E-05	5.73E-04	1.44E-05	6.31E-04	2.2E-07	6.6E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.3E-09	1.8E-07	2.3E-08	5.9E-08	8.2E-08	9.7E-08	4.4E-07
563	R_10:	259610.34	4022004.01	259610.34, 4022	4.23498	4.06722	17.52284	0.00123	2.09E-05	2.50E-05	7.34E-04	1.52E-05	7.95E-04	2.8E-07	8.3E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.2E-09	2.2E-07	3.0E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
564	R_10‹	259610.34	4022024.01	259610.34, 4022	4.56861	4.37857	24.69699	0.00129	2.25E-05	2.70E-05	1.03E-03	1.59E-05	1.10E-03	3.8E-07	1.1E-06	6.0E-07	6.0E-07	6.0E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
565	R_10!	259630.34	4021844.01	259630.34, 4021	2.58492	2.51421	5.99805	0.00091	1.27E-05	1.55E-05	2.51E-04	1.12E-05	2.91E-04	1.0E-07	3.0E-07	1.6E-07	1.6E-07	1.6E-07	7.3E-08	3.4E-09	8.1E-08	1.1E-08	2.7E-08	3.8E-08	4.5E-08	2.1E-07
566	R_10(	259630.34	4021864.01	259630.34, 4021	2.7414	2.66278	6.48767	0.00094	1.35E-05	1.64E-05	2.72E-04	1.16E-05	3.13E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	7.8E-08	3.6E-09	8.7E-08	1.2E-08	2.9E-08	4.1E-08	4.8E-08	2.2E-07
567	R_10:	259630.34	4021884.01	259630.34, 4021	2.91326	2.82554	7.07285	0.00098	1.44E-05	1.74E-05	2.96E-04	1.21E-05	3.40E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.5E-08	3.9E-09	9.5E-08	1.3E-08	3.2E-08	4.4E-08	5.2E-08	2.4E-07
568	R_10!	259630.34	4021904.01	259630.34, 4021	3.10249	3.00427	7.7883	0.00101	1.53E-05	1.85E-05	3.26E-04	1.25E-05	3.72E-04	1.3E-07	3.9E-07	2.0E-07	2.0E-07	2.0E-07	9.3E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.7E-08	2.6E-07
569	R_10!	259630.34	4021924.01	259630.34, 4021	3.31157	3.20123	8.68961	0.00105	1.63E-05	1.97E-05	3.64E-04	1.30E-05	4.13E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.8E-08	5.4E-08	6.4E-08	2.9E-07
570	R_11(	259630.34	4021944.01	259630.34, 4021	3.5436	3.41923	9.87039	0.0011	1.75E-05	2.10E-05	4.13E-04	1.36E-05	4.65E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.1E-08	7.2E-08	3.3E-07
571	R_11:	259630.34	4021964.01	259630.34, 4021	3.80156	3.66096	11.49358	0.00115	1.87E-05	2.25E-05	4.81E-04	1.42E-05	5.37E-04	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
572	R_11;	259630.34	4021984.01	259630.34, 4021	4.08911	3.92969	13.886	0.0012	2.02E-05	2.42E-05	5.81E-04	1.48E-05	6.41E-04	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	2.4E-08	6.0E-08	8.3E-08	9.9E-08	4.5E-07
573	R_11:	259630.34	4022004.01	259630.34, 4022	4.41106	4.22976	17.78081	0.00126	2.17E-05	2.60E-05	7.45E-04	1.55E-05	8.08E-04	2.8E-07	8.4E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.3E-09	2.3E-07	3.0E-08	7.5E-08	1.1E-07	1.2E-07	5.7E-07
574	R_11‹	259630.34	4022024.01	259630.34, 4022	4.77161	4.56481	25.12631	0.00133	2.35E-05	2.81E-05	1.05E-03	1.64E-05	1.12E-03	3.9E-07	1.2E-06	6.1E-07	6.1E-07	6.1E-07	2.8E-07	1.3E-08	3.1E-07	4.2E-08	1.0E-07	1.5E-07	1.7E-07	7.9E-07
575	R_11!	259650.34	4021844.01	259650.34, 4021	2.65594	2.58214	6.09927	0.00094	1.31E-05	1.59E-05	2.55E-04	1.16E-05	2.96E-04	1.0E-07	3.1E-07	1.6E-07	1.6E-07	1.6E-07	7.4E-08	3.4E-09	8.3E-08	1.1E-08	2.8E-08	3.9E-08	4.6E-08	2.1E-07
576	R_11(	259650.34	4021864.01	259650.34, 4021	2.82041	2.73819	6.59371	0.00097	1.39E-05	1.69E-05	2.76E-04	1.20E-05	3.19E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	8.0E-08	3.7E-09	8.9E-08	1.2E-08	3.0E-08	4.2E-08	4.9E-08	2.3E-07
577	R_11:	259650.34	4021884.01	259650.34, 4021	3.00132	2.90935	7.18405	0.00101	1.48E-05	1.79E-05	3.01E-04	1.25E-05	3.46E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
578	R_11!	259650.34	4021904.01	259650.34, 4021	3.20111	3.09782	7.90698	0.00104	1.58E-05	1.91E-05	3.31E-04	1.28E-05	3.79E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.5E-08	4.4E-09	1.1E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.7E-07
579	R_11!	259650.34	4021924.01	259650.34, 4021	3.4225	3.30601	8.81865	0.00108	1.69E-05	2.04E-05	3.69E-04	1.33E-05	4.20E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
580	R_12(	259650.34	4021944.01	259650.34, 4021	3.66872	3.53681	10.01181	0.00113	1.81E-05	2.18E-05	4.19E-04	1.39E-05	4.73E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
581	R_12:	259650.34	4021964.01	259650.34, 4021	3.94317	3.79323	11.65463	0.00118	1.94E-05	2.34E-05	4.88E-04	1.46E-05	5.45E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	2.0E-08	5.1E-08	7.1E-08	8.4E-08	3.8E-07
582	R_12;	259650.34	4021984.01	259650.34, 4021	4.25059	4.07957	14.08238	0.00123	2.10E-05	2.51E-05	5.90E-04	1.52E-05	6.51E-04	2.3E-07	6.8E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.5E-09	1.8E-07	2.4E-08	6.1E-08	8.5E-08	1.0E-07	4.6E-07
583	R_12:	259650.34	4022004.01	259650.34, 4022	4.59621	4.40041	18.0463	0.00129	2.27E-05	2.71E-05	7.56E-04	1.59E-05	8.21E-04	2.8E-07	8.6E-07	4.5E-07	4.5E-07	4.5E-07	2.1E-07	9.5E-09	2.3E-07	3.1E-08	7.6E-08	1.1E-07	1.3E-07	5.8E-07
584	R_12‹	259650.34	4022024.01	259650.34, 4022	4.98515	4.76033	25.56206	0.00136	2.46E-05	2.93E-05	1.07E-03	1.68E-05	1.14E-03	3.9E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.2E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
585	R_12!	259670.34	4021844.01	259670.34, 4021	2.72913	2.652	6.20975	0.00097	1.35E-05	1.63E-05	2.60E-04	1.20E-05	3.02E-04	1.0E-07	3.2E-07	1.7E-07	1.7E-07	1.7E-07	7.6E-08	3.5E-09	8.4E-08	1.1E-08	2.8E-08	3.9E-08	4.7E-08	2.1E-07
586	R_12(	259670.34	4021864.01	259670.34, 4021	2.90193	2.81585	6.70912	0.00101	1.43E-05	1.73E-05	2.81E-04	1.25E-05	3.25E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.1E-08	3.8E-09	9.1E-08	1.2E-08	3.0E-08	4.2E-08	5.0E-08	2.3E-07
587	R_12:	259670.34	4021884.01	259670.34, 4021	3.09239	2.9959	7.30492	0.00104	1.52E-05	1.84E-05	3.06E-04	1.28E-05	3.52E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.8E-08	4.1E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
588	R_12!	259670.34	4021904.01	259670.34, 4021	3.30325	3.19461	8.03477	0.00108	1.63E-05	1.97E-05	3.36E-04	1.33E-05	3.86E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	6.0E-08	2.7E-07
589	R_12!	259670.34	4021924.01	259670.34, 4021	3.53752	3.41461	8.95541	0.00112	1.74E-05	2.10E-05	3.75E-04	1.38E-05	4.27E-04	1.5E-07	4.5E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
590	R_13(	259670.34	4021944.01	259670.34, 4021	3.79877	3.65902	10.16152	0.00117	1.87E-05	2.25E-05	4.25E-04	1.44E-05	4.81E-04	1.7E-07	5.0E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.6E-09	1.3E-07	1.8E-08	4.5E-08	6.3E-08	7.4E-08	3.4E-07
591	R_13:	259670.34	4021964.01	259670.34, 4021	4.09098	3.93139	11.82472	0.00122	2.02E-05	2.42E-05	4.95E-04	1.50E-05	5.55E-04	1.9E-07	5.8E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.4E-09	1.5E-07	2.1E-08	5.2E-08	7.2E-08	8.6E-08	3.9E-07
592	R_13;	259670.34	4021984.01	259670.34, 4021	4.41957	4.23648	14.28759	0.00127	2.18E-05	2.61E-05	5.98E-04	1.57E-05	6.62E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.7E-07	7.6E-09	1.8E-07	2.5E-08	6.2E-08	8.6E-08	1.0E-07	4.7E-07
593	R_13:	259670.34	4022004.01	259670.34, 4022	4.7907	4.57969	18.32131	0.00133	2.36E-05	2.82E-05	7.67E-04	1.64E-05	8.35E-04	2.9E-07	8.7E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.7E-09	2.3E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
594	R_13‹	259670.34	4022024.01	259670.34, 4022	5.21083	4.96671	26.02717	0.0014	2.57E-05	3.06E-05	1.09E-03	1.73E-05	1.16E-03	4.0E-07	1.2E-06	6.4E-07	6.4E-07	6.4E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.2E-07
595	R_13!	259690.34	4021844.01	259690.34, 4021	2.80451	2.72376	6.33001	0.00101	1.38E-05	1.68E-05	2.65E-04	1.25E-05	3.08E-04	1.1E-07	3.2E-07	1.7E-07	1.7E-07	1.7E-07	7.7E-08	3.6E-09	8.6E-08	1.1E-08	2.9E-08	4.0E-08	4.8E-08	2.2E-07
596	R_13(	259690.34	4021864.01	259690.34, 4021	2.98596	2.8957	6.83426	0.00105	1.47E-05	1.78E-05	2.86E-04	1.30E-05	3.32E-04	1.1E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.3E-08	3.8E-09	9.3E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
597	R_13:	259690.34	4021884.01	259690.34, 4021	3.18643	3.0851	7.43601	0.00108	1.57E-05	1.90E-05	3.11E-04	1.33E-05	3.59E-04	1.2E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.0E-08	4.2E-09	1.0E-07	1.3E-08	3.3E-08	4.7E-08	5.5E-08	2.5E-07
598	R_13!	259690.34	4021904.01	259690.34, 4021	3.40889	3.29453	8.17262	0.00112	1.68E-05	2.03E-05	3.42E-04	1.38E-05	3.93E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.8E-08	4.5E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
599	R_13!	259690.34	4021924.01	259690.34, 4021	3.65673	3.52702	9.10225	0.00116	1.80E-05	2.17E-05	3.81E-04	1.43E-05	4.35E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.7E-08	3.1E-07
600	R_14(	259690.34	4021944.01	259690.34, 4021	3.93395	3.78594	10.32152	0.00121	1.94E-05	2.33E-05	4.32E-04	1.49E-05	4.90E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
601	R_14:	259690.34	4021964.01	259690.34, 4021	4.24521	4.07548	12.0056	0.00126	2.09E-05	2.51E-05	5.03E-04	1.55E-05	5.64E-04	2.0E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.3E-08	7.4E-08	8.7E-08	4.0E-07
602	R_14;	259690.34	4021984.01	259690.34, 4021	4.59656	4.40082	14.50516	0.00132	2.27E-05	2.71E-05	6.07E-04	1.63E-05	6.73E-04	2.3E-07	7.0E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.8E-09	1.9E-07	2.5E-08	6.3E-08	8.8E-08	1.0E-07	4.8E-07
603	R_14:	259690.34	4022004.01	259690.34, 4022	4.99515	4.76813	18.61415	0.00138	2.46E-05	2.94E-05	7.79E-04	1.70E-05	8.50E-04	2.9E-07	8.9E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
604	R_14‹	259690.34	4022024.01	259690.34, 4022	5.44917	5.18451	26.51126	0.00145	2.69E-05	3.19E-05	1.11E-03	1.79E-05	1.19E-03	4.1E-07	1.2E-06	6.5E-07	6.5E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.5E-07	1.8E-07	8.4E-07
605	R_14!	259710.34	4021844.01	259710.34, 4021	2.88173	2.79705	6.46036	0.00106	1.42E-05	1.72E-05	2.71E-04	1.31E-05	3.15E-04	1.1E-07	3.3E-07	1.7E-07	1.7E-07	1.7E-07	7.9E-08	3.6E-09	8.8E-08	1.2E-08	2.9E-08	4.1E-08	4.9E-08	2.2E-07
606	R_14(	259710.34	4021864.01	259710.34, 4021	3.0721	2.97731	6.96972	0.00109	1.51E-05	1.83E-05	2.92E-04	1.34E-05	3.39E-04	1.2E-07	3.5E-07	1.9E-07	1.9E-07	1.9E-07	8.5E-08	3.9E-09	9.5E-08	1.3E-08	3.2E-08	4.4E-08	5.2E-08	2.4E-07
607	R_14:	259710.34	4021884.01	259710.34, 4021	3.28307	3.17647	7.57749	0.00113	1.62E-05	1.96E-05	3.17E-04	1.39E-05	3.67E-04	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.2E-08	4.2E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.7E-08	2.6E-07
608	R_14!	259710.34	4021904.01	259710.34, 4021	3.51777	3.39726	8.32153	0.00117	1.73E-05	2.09E-05	3.48E-04	1.44E-05	4.01E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.2E-08	6.2E-08	2.8E-07
609	R_14!	259710.34	4021924.01	259710.34, 4021	3.78001	3.64293	9.26095	0.00122	1.86E-05	2.24E-05	3.88E-04	1.50E-05	4.44E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.7E-08	4.1E-08	5.8E-08	6.8E-08	3.1E-07
610	R_15(	259710.34	4021944.01	259710.34, 4021	4.07419	3.91736	10.4941	0.00126	2.01E-05	2.41E-05	4.39E-04	1.55E-05	4.99E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.8E-09	1.4E-07	1.9E-08	4.6E-08	6.5E-08	7.7E-08	3.5E-07

611	R_15	259710.34	4021964.01	259710.34, 4021	4.40581	4.2253	12.20019	0.00131	2.17E-05	2.60E-05	5.11E-04	1.62E-05	5.75E-04	2.0E-07	6.0E-07	3.2E-07	3.2E-07	3.2E-07	1.4E-07	6.6E-09	1.6E-07	2.1E-08	5.4E-08	7.5E-08	8.9E-08	4.1E-07
612	R_15	259710.34	4021984.01	259710.34, 4021	4.78159	4.57245	14.7381	0.00137	2.36E-05	2.81E-05	6.17E-04	1.69E-05	6.86E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	7.9E-09	1.9E-07	2.6E-08	6.4E-08	8.9E-08	1.1E-07	4.8E-07
613	R_15	259710.34	4022004.01	259710.34, 4022	5.20977	4.96582	18.92732	0.00143	2.57E-05	3.06E-05	7.93E-04	1.76E-05	8.66E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.1E-07
614	R_15	259710.34	4022024.01	259710.34, 4022	5.7002	5.41379	27.02917	0.0015	2.81E-05	3.33E-05	1.13E-03	1.85E-05	1.21E-03	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.6E-07
615	R_15	259730.34	4021844.01	259730.34, 4021	2.96195	2.87263	6.60393	0.0011	1.46E-05	1.77E-05	2.77E-04	1.36E-05	3.22E-04	1.1E-07	3.4E-07	1.8E-07	1.8E-07	1.8E-07	8.1E-08	3.7E-09	9.0E-08	1.2E-08	3.0E-08	4.2E-08	5.0E-08	2.3E-07
616	R_15	259730.34	4021864.01	259730.34, 4021	3.16144	3.0614	7.11858	0.00114	1.56E-05	1.88E-05	2.98E-04	1.41E-05	3.47E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.7E-08	4.0E-09	9.7E-08	1.3E-08	3.2E-08	4.5E-08	5.3E-08	2.4E-07
617	R_15	259730.34	4021884.01	259730.34, 4021	3.38312	3.27051	7.73259	0.00118	1.67E-05	2.01E-05	3.24E-04	1.46E-05	3.75E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.6E-07
618	R_15	259730.34	4021904.01	259730.34, 4021	3.63048	3.50299	8.48442	0.00123	1.79E-05	2.16E-05	3.55E-04	1.52E-05	4.10E-04	1.4E-07	4.3E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
619	R_15	259730.34	4021924.01	259730.34, 4021	3.90769	3.76246	9.43406	0.00127	1.93E-05	2.32E-05	3.95E-04	1.57E-05	4.53E-04	1.6E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
620	R_16	259730.34	4021944.01	259730.34, 4021	4.21975	4.05325	10.68184	0.00132	2.08E-05	2.50E-05	4.47E-04	1.63E-05	5.09E-04	1.8E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.9E-08	3.6E-07
621	R_16	259730.34	4021964.01	259730.34, 4021	4.57288	4.38067	12.41059	0.00138	2.25E-05	2.70E-05	5.20E-04	1.70E-05	5.86E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.6E-08	9.0E-08	4.1E-07
622	R_16	259730.34	4021984.01	259730.34, 4021	4.9747	4.75116	14.98827	0.00144	2.45E-05	2.92E-05	6.28E-04	1.78E-05	6.99E-04	2.4E-07	7.3E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.1E-09	2.0E-07	2.6E-08	6.5E-08	9.1E-08	1.1E-07	4.9E-07
623	R_16	259730.34	4022004.01	259730.34, 4022	5.43467	5.1726	19.26117	0.0015	2.68E-05	3.18E-05	8.07E-04	1.85E-05	8.84E-04	3.1E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.2E-07	1.4E-07	6.2E-07
624	R_16	259730.34	4022024.01	259730.34, 4022	5.96384	5.65424	27.57525	0.00157	2.94E-05	3.48E-05	1.15E-03	1.94E-05	1.24E-03	4.3E-07	1.3E-06	6.8E-07	6.8E-07	6.8E-07	3.1E-07	1.4E-08	3.5E-07	4.6E-08	1.2E-07	1.6E-07	1.9E-07	8.7E-07
625	R_16	259750.34	4021844.01	259750.34, 4021	3.0469	2.95148	6.76368	0.00115	1.50E-05	1.82E-05	2.83E-04	1.42E-05	3.31E-04	1.1E-07	3.5E-07	1.8E-07	1.8E-07	1.8E-07	8.3E-08	3.8E-09	9.2E-08	1.2E-08	3.1E-08	4.3E-08	5.1E-08	2.3E-07
626	R_16	259750.34	4021864.01	259750.34, 4021	3.25568	3.1489	7.28401	0.0012	1.61E-05	1.94E-05	3.05E-04	1.48E-05	3.55E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.9E-08	4.1E-09	9.9E-08	1.3E-08	3.3E-08	4.6E-08	5.5E-08	2.5E-07
627	R_16	259750.34	4021884.01	259750.34, 4021	3.48831	3.36814	7.90469	0.00124	1.72E-05	2.07E-05	3.31E-04	1.53E-05	3.84E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.6E-08	4.4E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	5.9E-08	2.7E-07
628	R_16	259750.34	4021904.01	259750.34, 4021	3.74862	3.61257	8.66463	0.00129	1.85E-05	2.22E-05	3.63E-04	1.59E-05	4.19E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
629	R_16	259750.34	4021924.01	259750.34, 4021	4.04126	3.88624	9.6248	0.00134	1.99E-05	2.39E-05	4.03E-04	1.65E-05	4.63E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.2E-08	3.3E-07
630	R_17	259750.34	4021944.01	259750.34, 4021	4.37187	4.19399	10.88767	0.00139	2.16E-05	2.58E-05	4.56E-04	1.71E-05	5.20E-04	1.8E-07	5.4E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.0E-09	1.5E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
631	R_17	259750.34	4021964.01	259750.34, 4021	4.74746	4.54179	12.6398	0.00145	2.34E-05	2.80E-05	5.29E-04	1.79E-05	5.99E-04	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.2E-08	4.2E-07
632	R_17	259750.34	4021984.01	259750.34, 4021	5.17668	4.93689	15.25827	0.00151	2.55E-05	3.04E-05	6.39E-04	1.86E-05	7.13E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.7E-08	6.6E-08	9.3E-08	1.1E-07	5.0E-07
633	R_17	259750.34	4022004.01	259750.34, 4022	5.67044	5.38831	19.61651	0.00158	2.80E-05	3.32E-05	8.21E-04	1.95E-05	9.02E-04	3.1E-07	9.4E-07	4.9E-07	4.9E-07	4.9E-07	2.3E-07	1.0E-08	2.5E-07	3.4E-08	8.4E-08	1.2E-07	1.4E-07	6.4E-07
634	R_17	259750.34	4022024.01	259750.34, 4022	6.24224	5.90727	28.14292	0.00165	3.08E-05	3.64E-05	1.18E-03	2.04E-05	1.27E-03	4.4E-07	1.3E-06	6.9E-07	6.9E-07	6.9E-07	3.2E-07	1.5E-08	3.5E-07	4.7E-08	1.2E-07	1.6E-07	2.0E-07	8.9E-07
635	R_17	259770.34	4021844.01	259770.34, 4021	3.13976	3.03576	6.94386	0.00121	1.55E-05	1.87E-05	2.91E-04	1.49E-05	3.40E-04	1.2E-07	3.6E-07	1.9E-07	1.9E-07	1.9E-07	8.5E-08	3.9E-09	9.5E-08	1.3E-08	3.2E-08	4.4E-08	5.2E-08	2.4E-07
636	R_17	259770.34	4021864.01	259770.34, 4021	3.35823	3.24198	7.47016	0.00125	1.66E-05	2.00E-05	3.13E-04	1.54E-05	3.65E-04	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.1E-08	4.2E-09	1.0E-07	1.4E-08	3.4E-08	4.8E-08	5.6E-08	2.6E-07
637	R_17	259770.34	4021884.01	259770.34, 4021	3.6022	3.47153	8.0977	0.0013	1.78E-05	2.14E-05	3.39E-04	1.60E-05	3.94E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
638	R_17	259770.34	4021904.01	259770.34, 4021	3.8759	3.72813	8.86593	0.00135	1.91E-05	2.30E-05	3.71E-04	1.67E-05	4.30E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.6E-08	3.0E-07
639	R_17	259770.34	4021924.01	259770.34, 4021	4.18449	4.01627	9.83703	0.00141	2.06E-05	2.47E-05	4.12E-04	1.74E-05	4.75E-04	1.6E-07	5.0E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
640	R_18	259770.34	4021944.01	259770.34, 4021	4.53432	4.34142	11.11568	0.00147	2.24E-05	2.67E-05	4.65E-04	1.81E-05	5.33E-04	1.8E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	6.9E-08	8.2E-08	3.8E-07
641	R_18	259770.34	4021964.01	259770.34, 4021	4.9332	4.71021	12.89265	0.00153	2.43E-05	2.90E-05	5.40E-04	1.89E-05	6.12E-04	2.1E-07	6.4E-07	3.4E-07	3.4E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	2.3E-08	5.7E-08	8.0E-08	9.4E-08	4.3E-07
642	R_18	259770.34	4021984.01	259770.34, 4021	5.39099	5.13088	15.55458	0.0016	2.66E-05	3.16E-05	6.51E-04	1.97E-05	7.29E-04	2.5E-07	7.6E-07	4.0E-07	4.0E-07	4.0E-07	1.8E-07	8.4E-09	2.0E-07	2.7E-08	6.8E-08	9.5E-08	1.1E-07	5.1E-07
643	R_18	259770.34	4022004.01	259770.34, 4022	5.92017	5.61374	20.00077	0.00167	2.92E-05	3.46E-05	8.37E-04	2.06E-05	9.22E-04	3.2E-07	9.6E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
644	R_18	259770.34	4022024.01	259770.34, 4022	6.53651	6.17164	28.75519	0.00175	3.22E-05	3.80E-05	1.20E-03	2.16E-05	1.30E-03	4.5E-07	1.4E-06	7.1E-07	7.1E-07	7.1E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.1E-07
645	R_18	259790.34	4021844.01	259790.34, 4021	3.24558	3.12948	7.149	0.00127	1.60E-05	1.93E-05	2.99E-04	1.57E-05	3.50E-04	1.2E-07	3.7E-07	1.9E-07	1.9E-07	1.9E-07	8.8E-08	4.0E-09	9.8E-08	1.3E-08	3.3E-08	4.6E-08	5.4E-08	2.5E-07
646	R_18	259790.34	4021864.01	259790.34, 4021	3.47466	3.34492	7.68142	0.00132	1.71E-05	2.06E-05	3.22E-04	1.63E-05	3.76E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.0E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.7E-07
647	R_18	259790.34	4021884.01	259790.34, 4021	3.73097	3.5852	8.31598	0.00137	1.84E-05	2.21E-05	3.48E-04	1.69E-05	4.06E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.8E-08	5.3E-08	6.3E-08	2.9E-07
648	R_18	259790.34	4021904.01	259790.34, 4021	4.01913	3.8544	9.09303	0.00143	1.98E-05	2.37E-05	3.81E-04	1.76E-05	4.42E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.8E-08	6.8E-08	3.1E-07
649	R_18	259790.34	4021924.01	259790.34, 4021	4.34483	4.15746	10.07578	0.00149	2.14E-05	2.56E-05	4.22E-04	1.84E-05	4.87E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.6E-09	1.4E-07	1.8E-08	4.5E-08	6.4E-08	7.5E-08	3.4E-07
650	R_19	259790.34	4021944.01	259790.34, 4021	4.7151	4.50044	11.371	0.00155	2.32E-05	2.77E-05	4.76E-04	1.91E-05	5.46E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	2.0E-08	5.1E-08	7.1E-08	8.4E-08	3.9E-07
651	R_19	259790.34	4021964.01	259790.34, 4021	5.13869	4.89079	13.17398	0.00162	2.53E-05	3.01E-05	5.52E-04	2.00E-05	6.27E-04	2.2E-07	6.6E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.8E-07	2.3E-08	5.8E-08	8.2E-08	9.7E-08	4.4E-07
652	R_19	259790.34	4021984.01	259790.34, 4021	5.6267	5.33777	15.88136	0.0017	2.77E-05	3.29E-05	6.65E-04	2.10E-05	7.47E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.7E-08	1.2E-07	5.3E-07
653	R_19	259790.34	4022004.01	259790.34, 4022	6.19325	5.85309	20.4171	0.00178	3.05E-05	3.60E-05	8.55E-04	2.20E-05	9.43E-04	3.3E-07	9.9E-07	5.2E-07	5.2E-07	5.2E-07	2.4E-07	1.1E-08	2.6E-07	3.5E-08	8.8E-08	1.2E-07	1.5E-07	6.7E-07
654	R_19	259790.34	4022024.01	259790.34, 4022	6.85647	6.45155	29.40007	0.00186	3.38E-05	3.97E-05	1.23E-03	2.29E-05	1.33E-03	4.6E-07	1.4E-06	7.3E-07	7.3E-07	7.3E-07	3.3E-07	1.5E-08	3.7E-07	4.9E-08	1.2E-07	1.7E-07	2.0E-07	9.4E-07
655	R_19	259810.34	4021844.01	259810.34, 4021	3.37043	3.23844	7.38599	0.00132	1.66E-05	1.99E-05	3.09E-04	1.63E-05	3.62E-04	1.3E-07	3.8E-07	2.0E-07	2.0E-07	2.0E-07	9.1E-08	4.2E-09	1.0E-07	1.3E-08	3.4E-08	4.7E-08	5.6E-08	2.6E-07
656	R_19	259810.34	4021864.01	259810.34, 4021	3.61202	3.46424	7.92485	0.00138	1.78E-05	2.13E-05	3.32E-04	1.70E-05	3.88E-04	1.3E-07	4.1E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.1E-08	6.0E-08	2.7E-07
657	R_19	259810.34	4021884.01	259810.34, 4021	3.88275	3.71641	8.56679	0.00144	1.91E-05	2.29E-05	3.59E-04	1.78E-05	4.18E-04	1.4E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
658	R_19	259810.34	4021904.01	259810.34, 4021	4.18781	3.99955	9.35321	0.0015	2.06E-05	2.46E-05	3.92E-04	1.85E-05	4.55E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.3E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
659	R_19	259810.34	4021924.01	259810.34, 4021	4.53338	4.3189	10.34826	0.00157	2.24E-05	2.66E-05	4.33E-04	1.94E-05	5.02E-04	1.7E-07	5.2E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.5E-08	7.7E-08	3.5E-07
660	R_20	259810.34	4021944.01	259810.34, 4021	4.92714	4.68107	11.66051	0.00164	2.43E-05	2.88E-05	4.88E-04	2.02E-05	5.62E-04	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
661	R_20	259810.34	4021964.01	259810.34, 4021	5.37879	5.09438	13.48919	0.00172	2.65E-05	3.14E-05	5.65E-04	2.12E-05	6.44E-04	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.4E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	9.9E-08	4.5E-07
662	R_20	259810.34	4021984.01	259810.34, 4021	5.90081	5.56916	16.24167	0.0018	2.91E-05	3.43E-05	6.80E-04	2.22E-05	7.66E-04	2.7E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.9E-09	2.1E-07	2.9E-08	7.1E-08	1.0E-07	1.2E-07	5.4E-07
663	R_20	259810.34	4022004.01	259810.34, 4022	6.50906	6.11846	20.86858	0.00189	3.21E-05	3.77E-05	8.74E-04	2.33E-05	9.67E-04	3.3E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.0E-08	1.3E-07	1.5E-07	6.8E-07
664	R_20	259810.34	4022024.01	259810.34, 4022	7.22452	6.75922	30.09787	0.00199	3.56E-05	4.16E-05	1.26E-03	2.45E-05	1.36E-03	4.7E-07	1.4E-06	7.5E-07	7.5E-07	7.5E-07	3.4E-07	1.6E-08	3.8E-07	5.1E-08	1.3E-07	1.8E-07	2.1E-07	9.6E-07
665	R_20	259830.34	4021844.01	259830.34, 4021	3.52022	3.36936	7.66541	0.00139	1.74E-05	2.07E-05	3.21E-04	1.71E-05	3.76E-04	1.3E-07	3.9E-07	2.1E-07	2.1E-07	2.1E-07	9.4E-08	4.3E-09	1.1E-07	1.4E-08	3.5E-08	4.9E-08	5.8E-08	2.7E-07
666	R_20	259830.34	4021864.01	259830.34, 4021	3.77741	3.60781	8.21085	0.00145	1.86E-05	2.22E-05	3.44E-04	1.79E-05	4.03E-04	1.4E-07	4.2E-07	2.2E-07	2.2E-07	2.2E-07	1.0E-07	4.7E-09	1.1E-07	1.5E-08	3.7E-08	5.2E-08	6.2E-08	2.8E-07
667	R_20	259830.34	4021884.01	259830.34, 4021	4.0662	3.87449	8.86043	0.00151	2.00E-05	2.39E-05	3.71E-04	1.86E-05	4.34E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.7E-08	3.1E-07
668	R_20	259830.34	4021904.01	259830.34, 4021	4.39235	4.17438	9.65638	0.00158	2.17E-05	2.57E-05	4.04E-04	1.95E-05	4.71E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.8E-08	4.4E-08	6.1E-08	7.3E-08	3.3E-07
669	R_20	259830.34	4021924.01	259830.34, 4021	4.76272	4.51328	10.66396	0.00166	2.35E-05	2.78E-05	4.47E-04	2.05E-05	5.18E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.8E-08	8.0E-08	3.7E-07
670	R_21	259830.34	4021944.01	259830.34, 4021	5.18586	4.89843	11.99384	0.00174	2.56E-05	3.02E-05	5.02E-04	2.15E-05	5.79E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	8.9E-08	4.1E-07
671	R_21	259830.34	4021964.01	259830.34, 4021	5.6724	5.33852	13.84793	0.00182	2.80E-05	3.29E-05	5.80E-04	2.24E-05	6.63E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.7E-07	7.7E-09	1.9E-07	2.5E-08	6.2E-08	8.6E-08	1.0E-07	4.7E-07
672	R_21	259830.34	4021984.01	259830.34, 4021	6.23662	5.84539	16.64353	0.00192	3.08E-05	3.60E-05	6.97E-04	2.37E-05	7.87E-04	2.7E-07	8.2E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	2.9E-08	7.3E-08	1.0E-07	1.2E-07	5.6E-07
673	R_21	259830.34	4022004.01	259830.34, 4022	6.89695	6.43394	21.36587	0.00202	3.40E-05	3.96E-05	8.95E-04	2.49E-05	9.93E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	3.7E-08	9.2E-08	1.3E-07	1.5E-07	7.0E-07
674	R_21	259830.34	4022024.01	259830.34, 4022	7.67678	7.12261	30.83698	0.00212	3.79E-05	4.38E-05	1.29E-03	2.61E-05	1.40E-03	4.8E-07	1.5E-06	7.7E-07	7.7E-07	7.7E-07	3.5E-07	1.6E-08	3.9E-07	5.2E-08	1.3E-07	1.8E-07	2.2E-07	9.9E-07
675	R_21	259850.34	4021844.01	259850.34, 4021	3.69874	3.52807	8.00269	0.00145	1.82E-05	2.17E-05	3.35E-04	1.79E-05	3.93E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.8E-08	4.5E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
676	R_21	259850.34	4021864.01	259850.34, 4021	3.97574	3.78287	8.55517	0.00152	1.96E-05	2.33E-05	3.58E-04	1.87E-05	4.20E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
677	R_21	259850.34	4021884.01	259850.34, 4021	4.28742	4.06823	9.21196	0.00159	2.11E-05	2.50E-05	3.86E-04	1.96E-05	4.52E-04	1.6E-07	4.7E-07	2.5E-07	2.5E-07	2.5E-07	1.1E-07	5.2E-09	1.3E-07	1.7E-08	4.2E-08	5.9E-08	7.0E-08	3.2E-07
678	R_21	259850.34	4021904.01	259850.34, 4021	4.64045	4.38977	10.0169	0.00167	2.29E-05	2.70E-05	4.19E-04	2.06E-05	4.90E-04	1.7E-07	5.1E-07	2.7E-07	2.7E-07	2.7E-07	1.2E-07	5.7E-09	1.4E-07	1.8E-08	4.6E-08	6.4E-08	7.6E-08	3.5E-07
679	R_21	259850.34	4021924.01	259850.34, 4021	5.04247	4.75378	11.03537	0.00175	2.49E-05	2.93E-05	4.62E-04	2.16E-05	5.38E-04	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
680	R_22	259850.34	4021944.01	259850.34, 4021	5.50341	5.16843	12.38062	0.00184	2.71E-05	3.18E-05	5.18E-04	2.27E-05	6.00E-04	2.1E-07	6.3E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	6.9E-09	1.7E-07	2.2E-08	5.6E-08	7.8E-08	9.3E-08	4.2E-07
681	R_22	259850.34	4021964.01	259850.34, 4021	6.03542	5.64347	14.25606	0.00193	2.98E-05	3.47E-05	5.97E-04	2.38E-05	6.85E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	7.9E-09	1.9E-07	2.6E-08	6.4E-08	8.9E-08	1.1E-07	4.8E-07
682	R_22	259850.34	4021984.01	259850.34, 4021	6.65525	6.19223	17.09138	0.00204	3.28E-05	3.81E-05	7.16E-04	2.52E-05	8.12E-04	2.8E-07	8.5E-07	4.5E-07	4.5E-07	4.5E-07	2.0E-07	9.4E-09	2.3E-07	3.0E-08	7.6E-08	1.1E-07	1.3E-07	5.7E-07
683	R_22	259850.34	4022004.01	259850.34, 4022	7.38447	6.83154	21.90993	0.00215	3.64E-05	4.21E-05	9.17E-04	2.65E-05	1.02E-03	3.5E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.5E-08	1.3E-07	1.6E-07	7.2E-07
684	R_22	259850.34	4022024.01	259850.34, 4022	8.25016	7.58193	31.66172	0.00227	4.07E-05	4.67E-05	1.33E-03	2.80E-05	1.44E-03	5.0E-07	1.5E-06	7.9E-07	7.9E-07	7.9E-07	3.6E-07	1.7E-08	4.0E-07	5.4E-08	1.3E-07	1.9E-07	2.2E-07	1.0E-06
685	R_22	259870.34	4021844.01	259870.34, 4021	3.90537	3.71617	8.41793	0.00153	1.93E-05	2.29E-05	3.52E-04	1.89E-05	4.13E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.8E-08	5.4E-08	6.4E-08	2.9E-07
686	R_22	259870.34	4021864.01	259870.34, 4021	4.20661	3.99175	8.97692	0.0016	2.07E-05	2.46E-05	3.76E-04	1.97E-05	4.41E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
687	R_22	259870.34	4021884.01	259870.34, 4021	4.54665	4.30119	9.64037	0.00168	2.24E-05	2.65E-05	4.04E-04	2.07E-05	4.73E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.2E-08	7.3E-08	3.3E-07
688	R_22	259870.34	4021904.01	259870.34, 4021	4.93338	4.65102	10.45471	0.00176	2.43E-05	2.86E-05	4.38E-04	2.17E-05	5.12E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.9E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	7.9E-08	3.6E-07
689	R_22	259870.34	4021924.01	259870.34, 4021	5.37578	5.04852	11.48693	0.00185	2.65E-05	3.11E-05	4.81E-04	2.28E-05	5.61E-04	1.9E-07	5.9E-07	3.1E-07	3.1E-07	3.1E-07	1.4E-07	6.5E-09	1.6E-07	2.1E-08	5.2E-08	7.3E-08	8.7E-08	4.0E-07
690	R_23	259870.34	4021944.01	259870.34, 4021	5.88558	5.50308	12.85429	0.00196	2.90E-05	3.39E-05	5.38E-04	2.42E-05	6.25E-04	2.2E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.6E-08	4.4E-07
691	R_23	259870.34	4021964.01	259870.34, 4021	6.47681	6.0257	14.7648	0.00206	3.19E-05	3.71E-05	6.18E-04	2.54E-05	7.13E-04	2.5E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.7E-08	6.6E-08	9.3E-08	1.1E-07	5.0E-07
692	R_23	259870.34	4021984.01	259870.34, 4021	7.16881	6.63129	17.65742	0.00218	3.53E-05	4.08E-05	7.39E-04	2.69E-05	8.42E-04	2.9E-07	8.8E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.7E-09	2.4E-07	3.1E-08	7.8E-08	1.1E-07	1.3E-07	5.9E-07
693	R_23	259870.34	4022004.01	259870.34, 4022	7.98665	7.33858	22.55452	0.00231	3.94E-05	4.52E-05	9.44E-04	2.85E-05	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.6E-07	1.2E-08	3.0E-07	3.9E-08	9.8E-08	1.4E-07	1.6E-07	7.5E-07
694	R_23	259870.34	4022024.01	259870.34, 4022	8.96558	8.17373	32.55639	0.00244	4.42E-05	5.03E-05	1.36E-03	3.01E-05	1.49E-03	5.2E-07	1.6E-06	8.2E-07	8.2E-07	8.2E-07	3.7E-07	1.7E-08	4.2E-07	5.5E-08	1.4E-07	1.9E-07	2.3E-07	1.1E-06
695	R_23	259890.34	4021844.01	259890.34, 4021	4.13597	3.93068	8.94348	0.00161	2.04E-05	2.42E-05	3.74E-04	1.99E-05	4.39E-04	1.5E-07	4.6E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.1E-09	1.2E-07	1.6E-08	4.1E-08	5.7E-08	6.8E-08	3.1E-07
696	R_23	259890.34	4021864.01	259890.34, 4021	4.46588	4.23173	9.50981	0.0017	2.20E-05	2.61E-05	3.98E-04	2.10E-05	4.67E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.1E-08	7.2E-08	3.3E-07
697	R_23	259890.34	4021884.01	259890.34, 4021	4.83982	4.57102	10.18174	0.00178	2.39E-05	2.81E-05	4.26E-04	2.20E-05	5.00E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.5E-08	7.7E-08	3.5E-07
698	R_23	259890.34	4021904.01	259890.34, 4021	5.26718	4.95629	11.00867	0.00188	2.60E-05	3.05E-05	4.61E-04	2.32E-05	5.41E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
699	R_23	259890.34	4021924.01	259890.34, 4021	5.75823	5.39573	12.05674	0.00198	2.84E-05	3.32E-05	5.05E-04	2.44E-05	5.91E-04	2.0E-07	6.2E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.8E-09	1.6E-07	2.2E-08	5.5E-08	7.7E-08	9.1E-08	4.2E-07

700	R_24(	259890.34	4021944.01	259890.34, 4021	6.32615	5.89963	13.44197	0.0021	3.12E-05	3.63E-05	5.63E-04	2.59E-05	6.56E-04	2.3E-07	6.9E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	2.4E-08	6.1E-08	8.6E-08	1.0E-07	4.6E-07
701	R_24:	259890.34	4021964.01	259890.34, 4021	6.98901	6.48222	15.37959	0.00222	3.45E-05	3.99E-05	6.44E-04	2.74E-05	7.46E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.7E-08	1.2E-07	5.3E-07
702	R_24;	259890.34	4021984.01	259890.34, 4021	7.7703	7.16126	18.32063	0.00235	3.83E-05	4.41E-05	7.67E-04	2.90E-05	8.79E-04	3.0E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.2E-08	1.1E-07	1.4E-07	6.2E-07
703	R_24:	259890.34	4022004.01	259890.34, 4022	8.70098	7.95979	23.32768	0.0025	4.29E-05	4.90E-05	9.77E-04	3.08E-05	1.10E-03	3.8E-07	1.1E-06	6.0E-07	6.0E-07	6.0E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
704	R_24·	259890.34	4022024.01	259890.34, 4022	9.8243	8.90825	33.62344	0.00265	4.84E-05	5.48E-05	1.41E-03	3.27E-05	1.54E-03	5.3E-07	1.6E-06	8.5E-07	8.5E-07	8.5E-07	3.9E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
705	R_24!	259910.34	4021844.01	259910.34, 4021	4.38493	4.16518	9.63415	0.00172	2.16E-05	2.56E-05	4.03E-04	2.12E-05	4.72E-04	1.6E-07	4.9E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.5E-09	1.3E-07	1.8E-08	4.4E-08	6.1E-08	7.3E-08	3.3E-07
706	R_24(	259910.34	4021864.01	259910.34, 4021	4.74712	4.49534	10.20642	0.00181	2.34E-05	2.77E-05	4.27E-04	2.23E-05	5.01E-04	1.7E-07	5.2E-07	2.7E-07	2.7E-07	2.7E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.5E-08	7.7E-08	3.5E-07
707	R_24'	259910.34	4021884.01	259910.34, 4021	5.15954	4.86895	10.88601	0.00191	2.54E-05	3.00E-05	4.56E-04	2.36E-05	5.35E-04	1.9E-07	5.6E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.2E-09	1.5E-07	2.0E-08	5.0E-08	7.0E-08	8.3E-08	3.8E-07
708	R_24!	259910.34	4021904.01	259910.34, 4021	5.63295	5.29486	11.72303	0.00202	2.78E-05	3.26E-05	4.91E-04	2.49E-05	5.76E-04	2.0E-07	6.0E-07	3.2E-07	3.2E-07	3.2E-07	1.4E-07	6.7E-09	1.6E-07	2.1E-08	5.4E-08	7.5E-08	8.9E-08	4.1E-07
709	R_24!	259910.34	4021924.01	259910.34, 4021	6.17935	5.78242	12.78301	0.00214	3.05E-05	3.56E-05	5.35E-04	2.64E-05	6.28E-04	2.2E-07	6.6E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.3E-09	1.8E-07	2.3E-08	5.8E-08	8.2E-08	9.7E-08	4.4E-07
710	R_25(	259910.34	4021944.01	259910.34, 4021	6.8155	6.34493	14.18529	0.00227	3.36E-05	3.91E-05	5.94E-04	2.80E-05	6.95E-04	2.4E-07	7.3E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.5E-08	9.1E-08	1.1E-07	4.9E-07
711	R_25:	259910.34	4021964.01	259910.34, 4021	7.56331	6.99911	16.14957	0.00242	3.73E-05	4.31E-05	6.76E-04	2.98E-05	7.86E-04	2.7E-07	8.2E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.1E-09	2.2E-07	2.9E-08	7.3E-08	1.0E-07	1.2E-07	5.6E-07
712	R_25;	259910.34	4021984.01	259910.34, 4021	8.45182	7.76657	19.13891	0.00257	4.17E-05	4.78E-05	8.01E-04	3.17E-05	9.23E-04	3.2E-07	9.6E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.6E-08	1.2E-07	1.4E-07	6.5E-07
713	R_25:	259910.34	4022004.01	259910.34, 4022	9.5204	8.67569	24.25154	0.00274	4.69E-05	5.34E-05	1.02E-03	3.38E-05	1.15E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
714	R_25·	259910.34	4022024.01	259910.34, 4022	10.82372	9.76437	34.85732	0.00293	5.34E-05	6.01E-05	1.46E-03	3.61E-05	1.61E-03	5.6E-07	1.7E-06	8.8E-07	8.8E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	6.0E-08	1.5E-07	2.1E-07	2.5E-07	1.1E-06
715	R_25!	259930.34	4021844.01	259930.34, 4021	4.64784	4.41251	10.58305	0.00186	2.29E-05	2.72E-05	4.43E-04	2.29E-05	5.16E-04	1.8E-07	5.4E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	6.0E-09	1.4E-07	1.9E-08	4.8E-08	6.7E-08	8.0E-08	3.6E-07
716	R_25(	259930.34	4021864.01	259930.34, 4021	5.04573	4.7744	11.15952	0.00196	2.49E-05	2.94E-05	4.67E-04	2.42E-05	5.46E-04	1.9E-07	5.7E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.3E-09	1.5E-07	2.0E-08	5.1E-08	7.1E-08	8.4E-08	3.9E-07
717	R_25'	259930.34	4021884.01	259930.34, 4021	5.50106	5.18567	11.84457	0.00208	2.71E-05	3.19E-05	4.96E-04	2.57E-05	5.81E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	9.0E-08	4.1E-07
718	R_25!	259930.34	4021904.01	259930.34, 4021	6.02604	5.65599	12.68725	0.00221	2.97E-05	3.48E-05	5.31E-04	2.73E-05	6.23E-04	2.2E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.6E-07	7.2E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.6E-08	4.4E-07
719	R_25!	259930.34	4021924.01	259930.34, 4021	6.63604	6.19753	13.75552	0.00235	3.27E-05	3.82E-05	5.76E-04	2.90E-05	6.76E-04	2.3E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.8E-09	1.9E-07	2.5E-08	6.3E-08	8.8E-08	1.0E-07	4.8E-07
720	R_26(	259930.34	4021944.01	259930.34, 4021	7.35147	6.82585	15.17242	0.0025	3.62E-05	4.20E-05	6.35E-04	3.08E-05	7.44E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.7E-08	1.1E-07	5.3E-07
721	R_26:	259950.34	4021844.01	259950.34, 4021	4.9248	4.66905	11.97578	0.00202	2.43E-05	2.87E-05	5.01E-04	2.49E-05	5.79E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	8.9E-08	4.1E-07
722	R_26;	259950.34	4021864.01	259950.34, 4021	5.36249	5.06498	12.55189	0.00214	2.64E-05	3.12E-05	5.26E-04	2.64E-05	6.10E-04	2.1E-07	6.4E-07	3.3E-07	3.3E-07	3.3E-07	1.5E-07	7.0E-09	1.7E-07	2.3E-08	5.7E-08	7.9E-08	9.4E-08	4.3E-07
723	R_26:	259950.34	4021884.01	259950.34, 4021	5.86621	5.51693	13.23895	0.00228	2.89E-05	3.40E-05	5.54E-04	2.81E-05	6.45E-04	2.2E-07	6.7E-07	3.5E-07	3.5E-07	3.5E-07	1.6E-07	7.5E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	1.0E-07	4.6E-07
724	R_26·	259950.34	4021904.01	259950.34, 4021	6.4506	6.03634	14.08353	0.00244	3.18E-05	3.72E-05	5.90E-04	3.01E-05	6.89E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	8.0E-09	1.9E-07	2.6E-08	6.4E-08	9.0E-08	1.1E-07	4.9E-07
725	R_26!	259950.34	4021924.01	259950.34, 4021	7.13476	6.63782	15.1524	0.00261	3.52E-05	4.09E-05	6.34E-04	3.22E-05	7.43E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	6.9E-08	9.7E-08	1.1E-07	5.2E-07
726	R_26(	259950.34	4021944.01	259950.34, 4021	7.9439	7.34017	16.57219	0.0028	3.92E-05	4.52E-05	6.94E-04	3.45E-05	8.13E-04	2.8E-07	8.5E-07	4.5E-07	4.5E-07	4.5E-07	2.0E-07	9.4E-09	2.3E-07	3.0E-08	7.6E-08	1.1E-07	1.3E-07	5.7E-07
727	R_26'	259970.34	4021844.01	259970.34, 4021	5.22139	4.93686	14.26218	0.00222	2.57E-05	3.04E-05	5.97E-04	2.74E-05	6.81E-04	2.4E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.9E-09	1.9E-07	2.5E-08	6.3E-08	8.9E-08	1.1E-07	4.8E-07
728	R_26!	259970.34	4021864.01	259970.34, 4021	5.70494	5.37053	14.82266	0.00237	2.81E-05	3.31E-05	6.21E-04	2.92E-05	7.11E-04	2.5E-07	7.4E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.2E-09	2.0E-07	2.6E-08	6.6E-08	9.3E-08	1.1E-07	5.0E-07
729	R_26!	259970.34	4021884.01	259970.34, 4021	6.26511	5.86818	15.49817	0.00254	3.09E-05	3.61E-05	6.49E-04	3.13E-05	7.47E-04	2.6E-07	7.8E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.6E-09	2.1E-07	2.8E-08	7.0E-08	9.7E-08	1.2E-07	5.3E-07
730	R_27(	259970.34	4021904.01	259970.34, 4021	6.9196	6.44341	16.35003	0.00274	3.41E-05	3.97E-05	6.85E-04	3.38E-05	7.92E-04	2.7E-07	8.3E-07	4.3E-07	4.3E-07	4.3E-07	2.0E-07	9.2E-09	2.2E-07	2.9E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
731	R_27:	259970.34	4021924.01	259970.34, 4021	7.69218	7.11426	17.41023	0.00295	3.79E-05	4.38E-05	7.29E-04	3.64E-05	8.47E-04	2.9E-07	8.9E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
732	R_27;	259970.34	4021944.01	259970.34, 4021	8.61398	7.90385	18.81645	0.0032	4.25E-05	4.87E-05	7.88E-04	3.95E-05	9.18E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.5E-07
733	R_27:	259990.34	4021844.01	259990.34, 4021	5.54771	5.22411	18.76331	0.00247	2.74E-05	3.22E-05	7.86E-04	3.05E-05	8.76E-04	3.0E-07	9.2E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.3E-08	8.2E-08	1.1E-07	1.4E-07	6.2E-07
734	R_27·	259990.34	4021864.01	259990.34, 4021	6.08564	5.70181	19.23616	0.00266	3.00E-05	3.51E-05	8.05E-04	3.28E-05	9.03E-04	3.1E-07	9.4E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.0E-08	2.5E-07	3.4E-08	8.4E-08	1.2E-07	1.4E-07	6.4E-07
735	R_27!	259990.34	4021884.01	259990.34, 4021	6.71307	6.25349	19.84397	0.00287	3.31E-05	3.85E-05	8.31E-04	3.54E-05	9.38E-04	3.2E-07	9.8E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.5E-08	8.7E-08	1.2E-07	1.4E-07	6.6E-07
736	R_27(	259990.34	4021904.01	259990.34, 4021	7.45084	6.89524	20.71692	0.00312	3.67E-05	4.24E-05	8.67E-04	3.85E-05	9.85E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.5E-07	1.1E-08	2.8E-07	3.7E-08	9.2E-08	1.3E-07	1.5E-07	7.0E-07
737	R_27'	259990.34	4021924.01	259990.34, 4021	8.32881	7.65038	21.72884	0.0034	4.11E-05	4.71E-05	9.10E-04	4.19E-05	1.04E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.7E-08	1.4E-07	1.6E-07	7.3E-07
738	R_27!	259990.34	4021944.01	259990.34, 4021	9.38429	8.54737	23.06386	0.00373	4.63E-05	5.26E-05	9.66E-04	4.60E-05	1.11E-03	3.8E-07	1.2E-06	6.1E-07	6.1E-07	6.1E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
739	R_27!	260122.8	4022046.18	260122.8, 4022(	24.29936	25.13557	26.52962	0.01787	1.20E-04	1.55E-04	1.11E-03	2.20E-04	1.61E-03	5.6E-07	1.7E-06	8.8E-07	8.8E-07	8.8E-07	4.0E-07	1.9E-08	4.5E-07	6.0E-08	1.5E-07	2.1E-07	2.5E-07	1.1E-06
740	R_28(	260142.8	4022066.18	260142.8, 4022(	23.64535	25.1536	23.74599	0.01864	1.17E-04	1.55E-04	9.94E-04	2.30E-04	1.50E-03	5.2E-07	1.6E-06	8.2E-07	8.2E-07	8.2E-07	3.7E-07	1.7E-08	4.2E-07	5.6E-08	1.4E-07	1.9E-07	2.3E-07	1.1E-06
741	R_28:	260142.8	4022086.18	260142.8, 4022(	24.2348	26.09399	19.7567	0.01938	1.19E-04	1.61E-04	8.27E-04	2.39E-04	1.35E-03	4.7E-07	1.4E-06	7.4E-07	7.4E-07	7.4E-07	3.4E-07	1.6E-08	3.8E-07	5.0E-08	1.3E-07	1.8E-07	2.1E-07	9.5E-07
742	R_28;	260142.8	4022106.18	260142.8, 40221	24.40425	26.51537	17.70733	0.0197	1.20E-04	1.63E-04	7.41E-04	2.43E-04	1.27E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.5E-07	4.7E-08	1.2E-07	1.7E-07	2.0E-07	8.9E-07
743	R_28:	260142.8	4022126.18	260142.8, 40221	24.12778	26.34228	16.45554	0.01959	1.19E-04	1.62E-04	6.89E-04	2.42E-04	1.21E-03	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.6E-07
744	R_28·	260142.8	4022146.18	260142.8, 40221	23.43417	25.57967	15.58827	0.01892	1.16E-04	1.57E-04	6.53E-04	2.33E-04	1.16E-03	4.0E-07	1.2E-06	6.4E-07	6.4E-07	6.4E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.2E-07
745	R_28!	260142.8	4022166.18	260142.8, 40221	22.40499	24.32628	14.92837	0.01765	1.10E-04	1.50E-04	6.25E-04	2.18E-04	1.10E-03	3.8E-07	1.2E-06	6.0E-07	6.0E-07	6.0E-07	2.8E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.8E-07
746	R_28(	260162.8	4022066.18	260162.8, 4022(	21.3235	22.81524	22.41208	0.01735	1.05E-04	1.40E-04	9.38E-04	2.14E-04	1.40E-03	4.8E-07	1.5E-06	7.7E-07	7.7E-07	7.7E-07	3.5E-07	1.6E-08	3.9E-07	5.2E-08	1.3E-07	1.8E-07	2.2E-07	9.9E-07
747	R_28'	260162.8	4022086.18	260162.8, 4022(	21.46498	23.1543	18.46239	0.01767	1.06E-04	1.43E-04	7.73E-04	2.18E-04	1.24E-03	4.3E-07	1.3E-06	6.8E-07	6.8E-07	6.8E-07	3.1E-07	1.4E-08	3.5E-07	4.6E-08	1.2E-07	1.6E-07	1.9E-07	8.7E-07
748	R_28!	260162.8	4022106.18	260162.8, 40221	21.25721	23.04263	16.39151	0.01761	1.05E-04	1.42E-04	6.86E-04	2.17E-04	1.15E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
749	R_28!	260162.8	4022126.18	260162.8, 40221	20.71645	22.47832	15.10667	0.01713	1.02E-04	1.38E-04	6.33E-04	2.11E-04	1.08E-03	3.8E-07	1.1E-06	5.9E-07	5.9E-07	5.9E-07	2.7E-07	1.3E-08	3.0E-07	4.0E-08	1.0E-07	1.4E-07	1.7E-07	7.7E-07
750	R_29(	260162.8	4022146.18	260162.8, 40221	19.90132	21.52624	14.2169	0.01625	9.81E-05	1.33E-04	5.95E-04	2.00E-04	1.03E-03	3.6E-07	1.1E-06	5.6E-07	5.6E-07	5.6E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.6E-08	1.3E-07	1.6E-07	7.2E-07
751	R_29:	260162.8	4022166.18	260162.8, 40221	18.90128	20.30861	13.55531	0.01494	9.32E-05	1.25E-04	5.68E-04	1.84E-04	9.70E-04	3.4E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.0E-08	1.3E-07	1.5E-07	6.8E-07
752	R_29;	260182.8	4022066.18	260182.8, 4022(	19.04595	20.41875	21.29244	0.01587	9.39E-05	1.26E-04	8.92E-04	1.96E-04	1.31E-03	4.5E-07	1.4E-06	7.2E-07	7.2E-07	7.2E-07	3.3E-07	1.5E-08	3.6E-07	4.9E-08	1.2E-07	1.7E-07	2.0E-07	9.2E-07
753	R_29:	260182.8	4022086.18	260182.8, 4022(	18.89214	20.35111	17.39602	0.01588	9.32E-05	1.25E-04	7.28E-04	1.96E-04	1.14E-03	4.0E-07	1.2E-06	6.3E-07	6.3E-07	6.3E-07	2.9E-07	1.3E-08	3.2E-07	4.3E-08	1.1E-07	1.5E-07	1.8E-07	8.1E-07
754	R_29·	260182.8	4022106.18	260182.8, 40221	18.47497	19.93581	15.32522	0.01558	9.11E-05	1.23E-04	6.42E-04	1.92E-04	1.05E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.8E-08	1.4E-07	1.6E-07	7.4E-07
755	R_29!	260182.8	4022126.18	260182.8, 40221	17.83066	19.20994	14.03113	0.01494	8.79E-05	1.18E-04	5.88E-04	1.84E-04	9.78E-04	3.4E-07	1.0E-06	5.4E-07	5.4E-07	5.4E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.1E-08	1.3E-07	1.5E-07	6.9E-07
756	R_29(	260182.8	4022146.18	260182.8, 40221	17.01633	18.24771	13.13615	0.01395	8.39E-05	1.12E-04	5.50E-04	1.72E-04	9.18E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.5E-07
757	R_29'	260182.8	4022166.18	260182.8, 40221	16.11324	17.16199	12.47574	0.01267	7.95E-05	1.06E-04	5.22E-04	1.56E-04	8.64E-04	3.0E-07	9.0E-07	4.7E-07	4.7E-07	4.7E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.0E-08	1.1E-07	1.3E-07	6.1E-07
758	R_29!	260202.8	4022066.18	260202.8, 4022(	16.91837	18.1251	20.33451	0.01434	8.34E-05	1.12E-04	8.51E-04	1.77E-04	1.22E-03	4.2E-07	1.3E-06	6.7E-07	6.7E-07	6.7E-07	3.1E-07	1.4E-08	3.4E-07	4.6E-08	1.1E-07	1.6E-07	1.9E-07	8.6E-07
759	R_29!	260202.8	4022086.18	260202.8, 4022(	16.57777	17.79846	16.49152	0.01414	8.17E-05	1.10E-04	6.91E-04	1.74E-04	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.6E-07	1.2E-08	2.9E-07	3.9E-08	9.8E-08	1.4E-07	1.6E-07	7.5E-07
760	R_30(	260202.8	4022106.18	260202.8, 40221	16.05753	17.2308	14.43514	0.0137	7.92E-05	1.06E-04	6.04E-04	1.69E-04	9.59E-04	3.3E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	8.9E-08	1.2E-07	1.5E-07	6.8E-07
761	R_30:	260202.8	4022126.18	260202.8, 40221	15.39635	16.47011	13.14798	0.01298	7.59E-05	1.01E-04	5.51E-04	1.60E-04	8.88E-04	3.1E-07	9.3E-07	4.9E-07	4.9E-07	4.9E-07	2.2E-07	1.0E-08	2.5E-07	3.3E-08	8.3E-08	1.2E-07	1.4E-07	6.3E-07
762	R_30;	260202.8	4022146.18	260202.8, 40221	14.64689	15.58742	12.25776	0.01199	7.22E-05	9.60E-05	5.13E-04	1.48E-04	8.29E-04	2.9E-07	8.7E-07	4.5E-07	4.5E-07	4.5E-07	2.1E-07	9.6E-09	2.3E-07	3.1E-08	7.7E-08	1.1E-07	1.3E-07	5.9E-07
763	R_30:	260202.8	4022166.18	260202.8, 40221	13.87168	14.66974	11.60048	0.01082	6.84E-05	9.03E-05	4.86E-04	1.33E-04	7.78E-04	2.7E-07	8.1E-07	4.3E-07	4.3E-07	4.3E-07	1.9E-07	9.0E-09	2.2E-07	2.9E-08	7.2E-08	1.0E-07	1.2E-07	5.5E-07
764	W_1	260095.45	4022187.01	260095.45, 4022	33.20307	36.91	19.98915	0.02396	1.64E-04	2.27E-04	8.37E-04	2.96E-04	1.52E-03	5.3E-07	1.6E-06	8.4E-07	8.4E-07	8.4E-07	3.8E-07	1.8E-08	4.3E-07	5.7E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
765	W_2	260095.45	4022207.01	260095.45, 4022	31.40898	34.48138	19.52295	0.02115	1.55E-04	2.12E-04	8.17E-04	2.61E-04	1.45E-03	5.0E-07	1.5E-06	7.9E-07	7.9E-07	7.9E-07	3.6E-07	1.7E-08	4.0E-07	5.4E-08	1.3E-07	1.9E-07	2.2E-07	1.0E-06
766	W_3	260095.45	4022227.01	260095.45, 4022	29.24055	31.55071	19.09049	0.01748	1.44E-04	1.94E-04	7.99E-04	2.16E-04	1.35E-03	4.7E-07	1.4E-06	7.4E-07	7.4E-07	7.4E-07	3.4E-07	1.6E-08	3.8E-07	5.0E-08	1.3E-07	1.8E-07	2.1E-07	9.6E-07
767	W_4	260095.45	4022247.01	260095.45, 4022	26.99299	28.7104	18.77278	0.01367	1.33E-04	1.77E-04	7.86E-04	1.69E-04	1.26E-03	4.4E-07	1.3E-06	6.9E-07	6.9E-07	6.9E-07	3.2E-07	1.5E-08	3.5E-07	4.7E-08	1.2E-07	1.6E-07	2.0E-07	8.9E-07
768	W_5	260095.45	4022267.01	260095.45, 4022	24.90264	26.33566	18.5354	0.01044	1.23E-04	1.62E-04	7.76E-04	1.29E-04	1.19E-03	4.1E-07	1.2E-06	6.5E-07	6.5E-07	6.5E-07	3.0E-07	1.4E-08	3.3E-07	4.4E-08	1.1E-07	1.6E-07	1.8E-07	8.4E-07
769	W_6	260115.45	4022187.01	260115.45, 4022	27.2379	29.81149	17.01692	0.02013	1.34E-04	1.84E-04	7.13E-04	2.48E-04	1.28E-03	4.4E-07	1.3E-06	7.0E-07	7.0E-07	7.0E-07	3.2E-07	1.5E-08	3.6E-07	4.8E-08	1.2E-07	1.7E-07	2.0E-07	9.0E-07
770	W_7	260115.45	4022207.01	260115.45, 4022	25.56609	27.62073	16.56402	0.01746	1.26E-04	1.70E-04	6.94E-04	2.15E-04	1.21E-03	4.2E-07	1.3E-06	6.6E-07	6.6E-07	6.6E-07	3.0E-07	1.4E-08	3.4E-07	4.5E-08	1.1E-07	1.6E-07	1.9E-07	8.5E-07
771	W_8	260115.45	4022227.01	260115.45, 4022	23.78317	25.35175	16.201	0.0144	1.17E-04	1.56E-04	6.78E-04	1.78E-04	1.13E-03	3.9E-07	1.2E-06	6.2E-07	6.2E-07	6.2E-07	2.8E-07	1.3E-08	3.2E-07	4.2E-08	1.1E-07	1.5E-07	1.7E-07	8.0E-07
772	W_9	260115.45	4022247.01	260115.45, 4022	22.0708	23.32648	15.9282	0.01148	1.09E-04	1.44E-04	6.67E-04	1.42E-04	1.06E-03	3.7E-07	1.1E-06	5.8E-07	5.8E-07	5.8E-07	2.7E-07	1.2E-08	3.0E-07	4.0E-08	9.9E-08	1.4E-07	1.6E-07	7.5E-07
773	W_1(	260115.45	4022267.01	260115.45, 4022	20.54404	21.67589	15.71369	0.00907	1.01E-04	1.33E-04	6.58E-04	1.12E-04	1.00E-03	3.5E-07	1.0E-06	5.5E-07	5.5E-07	5.5E-07	2.5E-07	1.2E-08	2.8E-07	3.7E-08	9.4E-08	1.3E-07	1.6E-07	7.1E-07
774	W_11	260135.45	4022187.01	260135.45, 4022	22.55582	24.35718	14.9825	0.01681	1.11E-04	1.50E-04	6.27E-04	2.07E-04	1.10E-03	3.8E-07	1.1E-06	6.0E-07	6.0E-07	6.0E-07	2.7E-07	1.3E-08	3.1E-07	4.1E-08	1.0E-07	1.4E-07	1.7E-07	7.7E-07
775	W_1;	260135.45	4022207.01	260135.45, 4022	21.12442	22.55339	14.56485	0.01446	1.04E-04	1.39E-04	6.10E-04	1.78E-04	1.03E-03	3.6E-07	1.1E-06	5.7E-07	5.7E-07	5.7E-07	2.6E-07	1.2E-08	2.9E-07	3.8E-08	9.6E-08	1.3E-07	1.6E-07	7.3E-07
776	W_1:	260135.45	4022227.01	260135.45, 4022	19.71455	20.84923	14.2358	0.01202	9.72E-05	1.28E-04	5.96E-04	1.48E-04	9.70E-04	3.4E-07	1.0E-06	5.3E-07	5.3E-07	5.3E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	9.0E-08	1.3E-07	1.5E-07	6.8E-07
777	W_14	260135.45	4022247.01	260135.45, 4022	18.42337	19.39699	13.97072	0.0098	9.08E-05	1.19E-04	5.85E-04	1.21E-04	9.16E-04	3.2E-07	9.6E-07	5.0E-07	5.0E-07	5.0E-07	2.3E-07	1.1E-08	2.6E-07	3.4E-08	8.5E-08	1.2E-07	1.4E-07	6.5E-07
778	W_1!	260135.45	4022267.01	260135.45, 4022	17.29425	18.21411	13.74319	0.00794	8.53E-05	1.12E-04	5.75E-04	9.79E-05	8.71E-04	3.0E-07	9.1E-07	4.8E-07	4.8E-07	4.8E-07	2.2E-07	1.0E-08	2.4E-07	3.2E-08	8.1E-08	1.1E-07	1.3E-07	6.1E-07
779	W_16	260155.45	4022187.01	260155.45, 4022	18.8975	20.18828	13.48361	0.01406	9.32E-05	1.24E-04	5.65E-04	1.73E-04	9.55E-04	3.3E-07	1.0E-06	5.2E-07	5.2E-07	5.2E-07	2.4E-07	1.1E-08	2.7E-07	3.6E-08	8.9E-08	1.2E-07	1.5E-07	6.7E-07
780	W_17	260155.45	4022207.01	260155.45, 4022	17.7241	18.76345	13.08454	0.01209	8.74E-05	1.16E-04	5.48E-04	1.49E-04	9.00E-04	3.1E-07	9.4E-07	4.9E-07	4.9E-07	4.9E-07	2.3E-07	1.0E-08	2.5E-07	3.4E-08	8.4E-08	1.2E-07	1.4E-07	6.4E-07
781	W_18	260155.45	4022227.01	260155.45, 4022	16.62568	17.49114	12.76418	0.01017	8.20E-05	1.08E-04	5.34E-04	1.25E-04	8.50E-04	2.9E-07	8.9E-07	4.7E-07	4.7E-07	4.7E-07	2.1E-07	9.8E-09	2.4E-07	3.2E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
782	W_1!	260155.45	4022247.01	260155.45, 4022	15.64867	16.43264	12.49489	0.00846	7.72E-05	1.01E-04	5.23E-04	1.04E-04	8.06E-04	2.8E-07	8.4E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.3E-09	2.3E-07	3.0E-08	7.5E-08	1.1E-07	1.2E-07	5.7E-07
783	W_2(	260155.45	4022267.01	260155.45, 4022	14.80236	15.5635	12.2489	0.007	7.30E-05	9.58E-05	5.13E-04	8.63E-05	7.68E-04	2.7E-07	8.0E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.9E-09	2.1E-07	2.9E-08	7.1E-08	1.0E-07	1.2E-07	5.4E-07
784	W_21	260175.45	4022187.01	260175.45, 4022	16.04596	17.00096	12.31779	0.01185	7.91E-05	1.05E-04	5.16E-04	1.46E-04	8.46E-04	2.9E-07	8.8E-07	4.6E-07	4.6E-07	4.6E-07	2.1E-07	9.8E-09	2.4E-07	3.1E-08	7.9E-08	1.1E-07	1.3E-07	6.0E-07
785	W_2;	260175.45	4022207.01	260175.45, 4022	15.10114	15.89109	11.92269	0.01025	7.45E-05	9.78E-05	4.99E-04	1.26E-04	7.98E-04	2.8E-07	8.3E-07	4.4E-07	4.4E-07	4.4E-07	2.0E-07	9.2E-09	2.2E-07	3.0E-08	7.4E-08	1.0E-07	1.2E-07	5.6E-07
786	W_2:	260175.45	4022227.01	260175.45, 4022	14.24585	14.93443	11.59712	0.00873	7.02E-05	9.19E-05	4.86E-04	1.08E-04	7.55E-04	2.6E-07	7.9E-07	4.1E-07	4.1E-07	4.1E-07	1.9E-07	8.7E-09	2.1E-07	2.8E-08	7.0E-08	9.8E-08	1.2E-07	5.3E-07
787	W_24	260175.45	4022247.01	260175.45, 4022	13.49699	14.14549	11.31403	0.00738	6.66E-05	8.71E-05	4.74E-04	9.10E-05	7.18E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.4E-08	1.1E-07	5.1E-07
788	W_2!	260175.45	4022267.01	260175.45, 4022	12.84511	13.48301	11.05479	0.00621	6.33E-05	8.30E-05	4.63E-04	7.66E-05	6.86E-04	2.4E-07	7.2E-07	3.8E-07	3.8E-07	3.8E-07	1.7E-07	7.9E-09	1.9E-07	2.6E-08	6.4E-08	8.9E-08	1.1E-07	4.8E-07

789	W_26	260195.45	4022187.01	260195.45, 4022	13.79548	14.52528	11.37654	0.01009	6.80E-05	8.94E-05	4.76E-04	1.24E-04	7.58E-04	2.6E-07	7.9E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.8E-09	2.1E-07	2.8E-08	7.1E-08	9.9E-08	1.2E-07	5.4E-07
790	W_27	260195.45	4022207.01	260195.45, 4022	13.04065	13.66371	10.97753	0.00879	6.43E-05	8.41E-05	4.60E-04	1.08E-04	7.16E-04	2.5E-07	7.5E-07	3.9E-07	3.9E-07	3.9E-07	1.8E-07	8.3E-09	2.0E-07	2.7E-08	6.7E-08	9.3E-08	1.1E-07	5.1E-07
791	W_28	260195.45	4022227.01	260195.45, 4022	12.3712	12.93606	10.64215	0.00758	6.10E-05	7.96E-05	4.46E-04	9.35E-05	6.80E-04	2.4E-07	7.1E-07	3.7E-07	3.7E-07	3.7E-07	1.7E-07	7.9E-09	1.9E-07	2.5E-08	6.3E-08	8.9E-08	1.0E-07	4.8E-07
792	W_29	260195.45	4022247.01	260195.45, 4022	11.78842	12.33459	10.34547	0.0065	5.81E-05	7.59E-05	4.33E-04	8.02E-05	6.47E-04	2.2E-07	6.8E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.5E-09	1.8E-07	2.4E-08	6.0E-08	8.4E-08	1.0E-07	4.6E-07
793	W_30	260195.45	4022267.01	260195.45, 4022	11.27561	11.81562	10.0745	0.00554	5.56E-05	7.27E-05	4.22E-04	6.83E-05	6.19E-04	2.1E-07	6.5E-07	3.4E-07	3.4E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	2.3E-08	5.8E-08	8.1E-08	9.5E-08	4.4E-07
794	W_31	260063.43	4022072.23	260063.43, 4022	30.78668	30.37477	34.2206	0.01815	1.52E-04	1.87E-04	1.43E-03	2.24E-04	2.00E-03	6.9E-07	2.1E-06	1.1E-06	1.1E-06	1.1E-06	5.0E-07	2.3E-08	5.6E-07	7.4E-08	1.9E-07	2.6E-07	3.1E-07	1.4E-06
795	W_32	260063.43	4022092.23	260063.43, 4022	34.67824	35.11624	31.12174	0.02111	1.71E-04	2.16E-04	1.30E-03	2.60E-04	1.95E-03	6.8E-07	2.0E-06	1.1E-06	1.1E-06	1.1E-06	4.9E-07	2.3E-08	5.4E-07	7.3E-08	1.8E-07	2.5E-07	3.0E-07	1.4E-06
796	W_33	260063.43	4022112.23	260063.43, 4022	38.50332	40.13258	29.71579	0.02424	1.90E-04	2.47E-04	1.24E-03	2.99E-04	1.98E-03	6.9E-07	2.1E-06	1.1E-06	1.1E-06	1.1E-06	5.0E-07	2.3E-08	5.5E-07	7.4E-08	1.8E-07	2.6E-07	3.1E-07	1.4E-06
797	W_34	260083.43	4022072.23	260083.43, 4022	29.95244	30.48336	29.01669	0.01965	1.48E-04	1.88E-04	1.22E-03	2.42E-04	1.79E-03	6.2E-07	1.9E-06	9.8E-07	9.8E-07	9.8E-07	4.5E-07	2.1E-08	5.0E-07	6.7E-08	1.7E-07	2.3E-07	2.8E-07	1.3E-06
798	W_35	260083.43	4022092.23	260083.43, 4022	32.8106	34.2012	25.8751	0.02222	1.62E-04	2.11E-04	1.08E-03	2.74E-04	1.73E-03	6.0E-07	1.8E-06	9.5E-07	9.5E-07	9.5E-07	4.3E-07	2.0E-08	4.8E-07	6.4E-08	1.6E-07	2.3E-07	2.7E-07	1.2E-06
799	W_36	260083.43	4022112.23	260083.43, 4022	35.32885	37.73173	24.34541	0.02466	1.74E-04	2.32E-04	1.02E-03	3.04E-04	1.73E-03	6.0E-07	1.8E-06	9.5E-07	9.5E-07	9.5E-07	4.3E-07	2.0E-08	4.8E-07	6.4E-08	1.6E-07	2.3E-07	2.7E-07	1.2E-06
800	W_37	260103.43	4022072.23	260103.43, 4022	28.33229	29.51063	25.9068	0.02018	1.40E-04	1.82E-04	1.08E-03	2.49E-04	1.66E-03	5.7E-07	1.7E-06	9.1E-07	9.1E-07	9.1E-07	4.1E-07	1.9E-08	4.6E-07	6.2E-08	1.5E-07	2.2E-07	2.6E-07	1.2E-06
801	W_38	260103.43	4022092.23	260103.43, 4022	30.21382	32.11124	22.74072	0.02213	1.49E-04	1.98E-04	9.52E-04	2.73E-04	1.57E-03	5.4E-07	1.6E-06	8.6E-07	8.6E-07	8.6E-07	3.9E-07	1.8E-08	4.4E-07	5.9E-08	1.5E-07	2.0E-07	2.4E-07	1.1E-06
802	W_39	260103.43	4022112.23	260103.43, 4022	31.632	34.2487	21.13782	0.02373	1.56E-04	2.11E-04	8.85E-04	2.93E-04	1.54E-03	5.3E-07	1.6E-06	8.5E-07	8.5E-07	8.5E-07	3.9E-07	1.8E-08	4.3E-07	5.8E-08	1.4E-07	2.0E-07	2.4E-07	1.1E-06
803	R_304	260243.42	4022062.81	260243.42, 4022	13.29487	14.1587	19.65487	0.01155	6.56E-05	8.72E-05	8.23E-04	1.42E-04	1.12E-03	3.9E-07	1.2E-06	6.1E-07	6.1E-07	6.1E-07	2.8E-07	1.3E-08	3.1E-07	4.2E-08	1.0E-07	1.5E-07	1.7E-07	7.9E-07
804	R_305	260243.42	4022082.81	260243.42, 4022	12.86036	13.68462	15.49176	0.01118	6.34E-05	8.42E-05	6.49E-04	1.38E-04	9.34E-04	3.2E-07	9.8E-07	5.1E-07	5.1E-07	5.1E-07	2.3E-07	1.1E-08	2.6E-07	3.5E-08	8.7E-08	1.2E-07	1.4E-07	6.6E-07
805	R_306	260243.42	4022102.81	260243.42, 4022	12.34478	13.10301	13.29448	0.01064	6.09E-05	8.07E-05	5.57E-04	1.31E-04	8.29E-04	2.9E-07	8.7E-07	4.5E-07	4.5E-07	4.5E-07	2.1E-07	9.6E-09	2.3E-07	3.1E-08	7.7E-08	1.1E-07	1.3E-07	5.9E-07
806	R_307	260243.42	4022122.81	260243.42, 4022	11.78234	12.45799	11.93165	0.00993	5.81E-05	7.67E-05	5.00E-04	1.22E-04	7.57E-04	2.6E-07	7.9E-07	4.2E-07	4.2E-07	4.2E-07	1.9E-07	8.7E-09	2.1E-07	2.8E-08	7.0E-08	9.9E-08	1.2E-07	5.3E-07
807	R_308	260243.42	4022142.81	260243.42, 4022	11.20939	11.79699	10.99462	0.00911	5.53E-05	7.26E-05	4.60E-04	1.12E-04	7.01E-04	2.4E-07	7.3E-07	3.8E-07	3.8E-07	3.8E-07	1.8E-07	8.1E-09	2.0E-07	2.6E-08	6.5E-08	9.1E-08	1.1E-07	4.9E-07
808	R_309	260243.42	4022162.81	260243.42, 4022	10.65717	11.16293	10.3038	0.00825	5.25E-05	6.87E-05	4.31E-04	1.02E-04	6.54E-04	2.3E-07	6.8E-07	3.6E-07	3.6E-07	3.6E-07	1.6E-07	7.6E-09	1.8E-07	2.4E-08	6.1E-08	8.5E-08	1.0E-07	4.6E-07
809	R_310	260243.42	4022182.81	260243.42, 4022	10.14766	10.5887	9.76591	0.00738	5.00E-05	6.52E-05	4.09E-04	9.10E-05	6.15E-04	2.1E-07	6.4E-07	3.4E-07	3.4E-07	3.4E-07	1.5E-07	7.1E-09	1.7E-07	2.3E-08	5.7E-08	8.0E-08	9.5E-08	4.3E-07
810	R_311	260243.42	4022202.81	260243.42, 4022	9.69261	10.09259	9.33111	0.00655	4.78E-05	6.21E-05	3.91E-04	8.08E-05	5.81E-04	2.0E-07	6.1E-07	3.2E-07	3.2E-07	3.2E-07	1.5E-07	6.7E-09	1.6E-07	2.2E-08	5.4E-08	7.6E-08	9.0E-08	4.1E-07
811	R_312	260243.42	4022222.81	260243.42, 4022	9.29275	9.67505	8.96536	0.00579	4.58E-05	5.96E-05	3.75E-04	7.14E-05	5.52E-04	1.9E-07	5.8E-07	3.0E-07	3.0E-07	3.0E-07	1.4E-07	6.4E-09	1.5E-07	2.1E-08	5.1E-08	7.2E-08	8.5E-08	3.9E-07
812	R_313	260243.42	4022242.81	260243.42, 4022	8.94027	9.31934	8.64983	0.0051	4.41E-05	5.74E-05	3.62E-04	6.29E-05	5.27E-04	1.8E-07	5.5E-07	2.9E-07	2.9E-07	2.9E-07	1.3E-07	6.1E-09	1.5E-07	2.0E-08	4.9E-08	6.9E-08	8.1E-08	3.7E-07
813	R_314	260243.42	4022262.81	260243.42, 4022	8.62393	8.99974	8.37308	0.00445	4.25E-05	5.54E-05	3.51E-04	5.49E-05	5.03E-04	1.7E-07	5.3E-07	2.8E-07	2.8E-07	2.8E-07	1.3E-07	5.8E-09	1.4E-07	1.9E-08	4.7E-08	6.6E-08	7.8E-08	3.6E-07
814	R_315	260243.42	4022282.81	260243.42, 4022	8.33391	8.69458	8.12911	0.00382	4.11E-05	5.35E-05	3.40E-04	4.71E-05	4.82E-04	1.7E-07	5.0E-07	2.6E-07	2.6E-07	2.6E-07	1.2E-07	5.6E-09	1.3E-07	1.8E-08	4.5E-08	6.3E-08	7.4E-08	3.4E-07
815	R_316	260243.42	4022302.81	260243.42, 4022	8.06451	8.397	7.91843	0.00325	3.98E-05	5.17E-05	3.32E-04	4.01E-05	4.63E-04	1.6E-07	4.8E-07	2.5E-07	2.5E-07	2.5E-07	1.2E-07	5.4E-09	1.3E-07	1.7E-08	4.3E-08	6.0E-08	7.1E-08	3.3E-07
816	R_317	260243.42	4022322.81	260243.42, 4022	7.81427	8.1167	7.73443	0.00276	3.85E-05	5.00E-05	3.24E-04	3.40E-05	4.46E-04	1.5E-07	4.7E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.2E-09	1.2E-07	1.7E-08	4.2E-08	5.8E-08	6.9E-08	3.2E-07
817	R_318	260243.42	4022342.81	260243.42, 4022	7.5816	7.86779	7.58479	0.00239	3.74E-05	4.84E-05	3.18E-04	2.95E-05	4.33E-04	1.5E-07	4.5E-07	2.4E-07	2.4E-07	2.4E-07	1.1E-07	5.0E-09	1.2E-07	1.6E-08	4.0E-08	5.6E-08	6.7E-08	3.1E-07
818	R_319	260243.42	4022362.81	260243.42, 4022	7.36222	7.65324	7.47622	0.00215	3.63E-05	4.71E-05	3.13E-04	2.65E-05	4.23E-04	1.5E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.1E-07	4.9E-09	1.2E-07	1.6E-08	3.9E-08	5.5E-08	6.5E-08	3.0E-07
819	R_320	260243.42	4022382.81	260243.42, 4022	7.14628	7.45547	7.42291	0.00201	3.52E-05	4.59E-05	3.11E-04	2.48E-05	4.17E-04	1.4E-07	4.4E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.6E-08	3.9E-08	5.4E-08	6.4E-08	2.9E-07
820	R_321	260243.42	4022402.81	260243.42, 4022	6.92188	7.24489	7.42925	0.00192	3.41E-05	4.46E-05	3.11E-04	2.37E-05	4.13E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.8E-08	5.4E-08	6.4E-08	2.9E-07
821	R_322	260243.42	4022422.81	260243.42, 4022	6.67915	6.99794	7.49742	0.00187	3.29E-05	4.31E-05	3.14E-04	2.31E-05	4.13E-04	1.4E-07	4.3E-07	2.3E-07	2.3E-07	2.3E-07	1.0E-07	4.8E-09	1.2E-07	1.5E-08	3.8E-08	5.4E-08	6.4E-08	2.9E-07
822	R_323	260263.42	4022362.81	260263.42, 4022	6.70951	6.95915	7.00804	0.00202	3.31E-05	4.28E-05	2.93E-04	2.49E-05	3.94E-04	1.4E-07	4.1E-07	2.2E-07	2.2E-07	2.2E-07	9.9E-08	4.6E-09	1.1E-07	1.5E-08	3.7E-08	5.1E-08	6.1E-08	2.8E-07
823	R_324	260263.42	4022382.81	260263.42, 4022	6.52867	6.79283	6.9652	0.00188	3.22E-05	4.18E-05	2.92E-04	2.32E-05	3.89E-04	1.3E-07	4.1E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.1E-08	6.0E-08	2.7E-07
824	R_325	260263.42	4022402.81	260263.42, 4022	6.34232	6.61997	6.97329	0.00181	3.13E-05	4.08E-05	2.92E-04	2.23E-05	3.86E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	6.0E-08	2.7E-07
825	R_326	260263.42	4022422.81	260263.42, 4022	6.14002	6.41822	7.03751	0.00176	3.03E-05	3.95E-05	2.95E-04	2.17E-05	3.86E-04	1.3E-07	4.0E-07	2.1E-07	2.1E-07	2.1E-07	9.7E-08	4.5E-09	1.1E-07	1.4E-08	3.6E-08	5.0E-08	6.0E-08	2.7E-07

Residential DOSEair = **$(Cair*(BR/BW)*A*EF*10^{-6})$**

Residential Risk = **DOSEair * CPF * ASF * ED/AT * FAH**

A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

CPF	1.1	Cancer Potency Factor for DPM[4]
AT	70	Averaging Time[5]

Age	BR/BW	ASF	FAH	ED (Ops)
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	2
2<4	572	3	0.72	2
4<9	572	3	0.72	5
9<16	572	3	0.72	7
16<30	261	1	0.73	53.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for DPM, OEHHA 2015, Table 7.1, page 7-5
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Operational Risk - Fueling

OnSite Fueling

Emissions Rate (g/s): 2.37E-04

Discrete Receptor ID		X	Y	X, Y	**Concentration [µg/m^3] at 1 g/s OnSite Fueling**	**Unmitigated OnSite Fueling**	**Total**	**Residential Dose 3rd**	**0<2**	**2<9**	**9<16**	**16<30**	**Risk by Age Group 3rd**	**0<2**	**2<9**	**9<16**	**16<30**	**Total Risk**
1	BKGN	259429.52	4021822.74	259429.52, 402	1.59074	3.77E-04	3.77E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.0E-10	9.6E-09	4.9E-09	4.5E-09	5.3E-09	2.5E-08
2	BKGN	259488.16	4021822.74	259488.16, 402	1.67183	3.96E-04	3.96E-04	1.4E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.2E-10	1.0E-08	5.2E-09	4.7E-09	5.6E-09	2.6E-08
3	BKGN	259546.8	4021822.74	259546.8, 4021	1.76785	4.18E-04	4.18E-04	1.4E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	4.4E-10	1.1E-08	5.5E-09	5.0E-09	5.9E-09	2.7E-08
4	BKGN	259605.44	4021822.74	259605.44, 402	1.8921	4.48E-04	4.48E-04	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.7E-10	1.1E-08	5.9E-09	5.3E-09	6.3E-09	2.9E-08
5	BKGN	259664.08	4021822.74	259664.08, 402	2.05521	4.86E-04	4.86E-04	1.7E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	5.1E-10	1.2E-08	6.4E-09	5.8E-09	6.8E-09	3.2E-08
6	BKGN	259722.72	4021822.74	259722.72, 402	2.22241	5.26E-04	5.26E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.9E-09	6.2E-09	7.4E-09	3.4E-08
7	BKGN	259781.36	4021822.74	259781.36, 402	2.37409	5.62E-04	5.62E-04	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.3E-09	6.7E-09	7.9E-09	3.7E-08
8	BKGN	259840	4021822.74	259840, 402182	2.57238	6.09E-04	6.09E-04	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	6.4E-10	1.5E-08	8.0E-09	7.2E-09	8.5E-09	4.0E-08
9	BKGN	259898.64	4021822.74	259898.64, 402	2.8277	6.69E-04	6.69E-04	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.9E-09	9.4E-09	4.4E-08
10	BKGN	259957.28	4021822.74	259957.28, 402	3.33125	7.88E-04	7.88E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.2E-08
11	BKGN	260015.92	4021822.74	260015.92, 402	4.10637	9.72E-04	9.72E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
12	BKGN	260074.56	4021822.74	260074.56, 402	4.91915	1.16E-03	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
13	BKGN	260133.2	4021822.74	260133.2, 4021	5.96471	1.41E-03	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
14	BKGN	260191.84	4021822.74	260191.84, 402	7.55562	1.79E-03	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
15	BKGN	260250.48	4021822.74	260250.48, 402	9.58713	2.27E-03	2.27E-03	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
16	BKGN	260309.12	4021822.74	260309.12, 402	11.07436	2.62E-03	2.62E-03	9.1E-07	2.7E-06	1.6E-06	1.4E-06	6.6E-07	2.8E-09	6.7E-08	3.4E-08	3.1E-08	3.7E-08	1.7E-07
17	BKGN	260367.76	4021822.74	260367.76, 402	11.21348	2.65E-03	2.65E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.6E-07	2.8E-09	6.7E-08	3.5E-08	3.1E-08	3.7E-08	1.7E-07
18	BKGN	260426.4	4021822.74	260426.4, 4021	10.19845	2.41E-03	2.41E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
19	BKGN	260485.04	4021822.74	260485.04, 402	8.6416	2.05E-03	2.05E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.2E-08	2.7E-08	2.4E-08	2.9E-08	1.3E-07
20	BKGN	260543.68	4021822.74	260543.68, 402	7.0322	1.66E-03	1.66E-03	5.8E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
21	BKGN	260602.32	4021822.74	260602.32, 402	5.63635	1.33E-03	1.33E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	1.9E-08	8.7E-08
22	BKGN	259429.52	4021866.26	259429.52, 402	1.77892	4.21E-04	4.21E-04	1.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	4.4E-10	1.1E-08	5.5E-09	5.0E-09	5.9E-09	2.8E-08
23	BKGN	259488.16	4021866.26	259488.16, 402	1.87672	4.44E-04	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.7E-10	1.1E-08	5.8E-09	5.3E-09	6.2E-09	2.9E-08
24	BKGN	259546.8	4021866.26	259546.8, 4021	1.98609	4.70E-04	4.70E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.6E-09	6.6E-09	3.1E-08
25	BKGN	259605.44	4021866.26	259605.44, 402	2.12089	5.02E-04	5.02E-04	1.7E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	5.9E-09	7.0E-09	3.3E-08
26	BKGN	259664.08	4021866.26	259664.08, 402	2.30277	5.45E-04	5.45E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	7.6E-09	3.6E-08
27	BKGN	259722.72	4021866.26	259722.72, 402	2.52077	5.97E-04	5.97E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
28	BKGN	259781.36	4021866.26	259781.36, 402	2.72173	6.44E-04	6.44E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.8E-10	1.6E-08	8.4E-09	7.6E-09	9.0E-09	4.2E-08
29	BKGN	259840	4021866.26	259840, 402186	2.95805	7.00E-04	7.00E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.3E-09	9.8E-09	4.6E-08
30	BKGN	259898.64	4021866.26	259898.64, 402	3.27039	7.74E-04	7.74E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.1E-08
31	BKGN	259957.28	4021866.26	259957.28, 402	3.88614	9.20E-04	9.20E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
32	BKGN	260015.92	4021866.26	260015.92, 402	4.88673	1.16E-03	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
33	BKGN	260074.56	4021866.26	260074.56, 402	5.96011	1.41E-03	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
34	BKGN	260133.2	4021866.26	260133.2, 4021	7.43749	1.76E-03	1.76E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	1.8E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
35	BKGN	260191.84	4021866.26	260191.84, 402	9.72164	2.30E-03	2.30E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
36	BKGN	260250.48	4021866.26	260250.48, 402	12.17418	2.88E-03	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.0E-09	7.3E-08	3.8E-08	3.4E-08	4.0E-08	1.9E-07
37	BKGN	260309.12	4021866.26	260309.12, 402	13.232	3.13E-03	3.13E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	8.0E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
38	BKGN	260367.76	4021866.26	260367.76, 402	12.45967	2.95E-03	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.1E-09	7.5E-08	3.9E-08	3.5E-08	4.1E-08	1.9E-07
39	BKGN	260426.4	4021866.26	260426.4, 4021	10.62267	2.51E-03	2.51E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.6E-09	6.4E-08	3.3E-08	3.0E-08	3.5E-08	1.6E-07
40	BKGN	260485.04	4021866.26	260485.04, 402	8.55398	2.02E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
41	BKGN	260543.68	4021866.26	260543.68, 402	6.72762	1.59E-03	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
42	BKGN	260602.32	4021866.26	260602.32, 402	5.2943	1.25E-03	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
43	BKGN	259429.52	4021909.78	259429.52, 402	1.99617	4.72E-04	4.72E-04	1.6E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	5.0E-10	1.2E-08	6.2E-09	5.6E-09	6.6E-09	3.1E-08
44	BKGN	259488.16	4021909.78	259488.16, 402	2.12315	5.03E-04	5.03E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	7.1E-09	3.3E-08
45	BKGN	259546.8	4021909.78	259546.8, 4021	2.25616	5.34E-04	5.34E-04	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.3E-09	7.5E-09	3.5E-08
46	BKGN	259605.44	4021909.78	259605.44, 402	2.40963	5.70E-04	5.70E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.0E-10	1.4E-08	7.5E-09	6.8E-09	8.0E-09	3.7E-08
47	BKGN	259664.08	4021909.78	259664.08, 402	2.60975	6.18E-04	6.18E-04	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.1E-09	7.3E-09	8.7E-09	4.0E-08
48	BKGN	259722.72	4021909.78	259722.72, 402	2.87706	6.81E-04	6.81E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.2E-10	1.7E-08	8.9E-09	8.1E-09	9.6E-09	4.5E-08
49	BKGN	259781.36	4021909.78	259781.36, 402	3.15506	7.47E-04	7.47E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.8E-09	8.8E-09	1.0E-08	4.9E-08
50	BKGN	259840	4021909.78	259840, 402190	3.44741	8.16E-04	8.16E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.1E-08	5.3E-08
51	BKGN	259898.64	4021909.78	259898.64, 402	3.83763	9.08E-04	9.08E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.9E-08
52	BKGN	259957.28	4021909.78	259957.28, 402	4.60456	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
53	BKGN	260015.92	4021909.78	260015.92, 402	5.92664	1.40E-03	1.40E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
54	BKGN	260074.56	4021909.78	260074.56, 402	7.4	1.75E-03	1.75E-03	6.1E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	2.5E-08	1.1E-07
55	BKGN	260133.2	4021909.78	260133.2, 4021	9.59527	2.27E-03	2.27E-03	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
56	BKGN	260191.84	4021909.78	260191.84, 402	12.83727	3.04E-03	3.04E-03	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.2E-09	7.7E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
57	BKGN	260250.48	4021909.78	260250.48, 402	15.38544	3.64E-03	3.64E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	3.8E-09	9.2E-08	4.8E-08	4.3E-08	5.1E-08	2.4E-07
58	BKGN	260309.12	4021909.78	260309.12, 402	15.37496	3.64E-03	3.64E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	3.8E-09	9.2E-08	4.8E-08	4.3E-08	5.1E-08	2.4E-07
59	BKGN	260367.76	4021909.78	260367.76, 402	13.33359	3.16E-03	3.16E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.3E-09	8.0E-08	4.1E-08	3.7E-08	4.4E-08	2.1E-07
60	BKGN	260426.4	4021909.78	260426.4, 4021	10.64205	2.52E-03	2.52E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.6E-09	6.4E-08	3.3E-08	3.0E-08	3.5E-08	1.6E-07
61	BKGN	260485.04	4021909.78	260485.04, 402	8.19396	1.94E-03	1.94E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.0E-09	4.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07
62	BKGN	260543.68	4021909.78	260543.68, 402	6.28911	1.49E-03	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
63	BKGN	260602.32	4021909.78	260602.32, 402	4.90875	1.16E-03	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
64	BKGN	259429.52	4021953.3	259429.52, 402	2.23858	5.30E-04	5.30E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.3E-08	6.9E-09	6.3E-09	7.4E-09	3.5E-08
65	BKGN	259488.16	4021953.3	259488.16, 402	2.41298	5.71E-04	5.71E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.0E-10	1.4E-08	7.5E-09	6.8E-09	8.0E-09	3.7E-08
66	BKGN	259546.8	4021953.3	259546.8, 4021	2.58929	6.13E-04	6.13E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.4E-10	1.6E-08	8.0E-09	7.3E-09	8.6E-09	4.0E-08
67	BKGN	259605.44	4021953.3	259605.44, 402	2.77772	6.57E-04	6.57E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
68	BKGN	259664.08	4021953.3	259664.08, 402	3.00485	7.11E-04	7.11E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.3E-09	8.4E-09	1.0E-08	4.7E-08
69	BKGN	259722.72	4021953.3	259722.72, 402	3.31613	7.85E-04	7.85E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
70	BKGN	259781.36	4021953.3	259781.36, 402	3.69753	8.75E-04	8.75E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.7E-08
71	BKGN	259840	4021953.3	259840, 402195	4.08344	9.67E-04	9.67E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
72	BKGN	259898.64	4021953.3	259898.64, 402	4.58242	1.08E-03	1.08E-03	3.8E-07	1.1E-06	6.6E-07	5.9E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
73	BKGN	259957.28	4021953.3	259957.28, 402	5.56099	1.32E-03	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.6E-08	1.8E-08	8.6E-08
74	BKGN	260015.92	4021953.3	260015.92, 402	7.36866	1.74E-03	1.74E-03	6.0E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	2.4E-08	1.1E-07
75	BKGN	260074.56	4021953.3	260074.56, 402	9.48574	2.25E-03	2.25E-03	7.8E-07	2.3E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.7E-08	3.1E-08	1.5E-07
76	BKGN	260133.2	4021953.3	260133.2, 4021	12.90423	3.05E-03	3.05E-03	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.2E-09	7.8E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
77	BKGN	260191.84	4021953.3	260191.84, 402	17.24902	4.08E-03	4.08E-03	1.4E-06	4.3E-06	2.5E-06	2.2E-06	1.0E-06	4.3E-09	1.0E-07	5.3E-08	4.8E-08	5.7E-08	2.7E-07
78	BKGN	260250.48	4021953.3	260250.48, 402	19.02817	4.50E-03	4.50E-03	1.6E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	4.7E-09	1.1E-07	5.9E-08	5.3E-08	6.3E-08	2.9E-07
79	BKGN	260309.12	4021953.3	260309.12, 402	17.14287	4.06E-03	4.06E-03	1.4E-06	4.2E-06	2.5E-06	2.2E-06	1.0E-06	4.3E-09	1.0E-07	5.3E-08	4.8E-08	5.7E-08	2.7E-07
80	BKGN	260367.76	4021953.3	260367.76, 402	13.61915	3.22E-03	3.22E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.4E-09	8.2E-08	4.2E-08	3.8E-08	4.5E-08	2.1E-07
81	BKGN	260426.4	4021953.3	260426.4, 4021	10.2315	2.42E-03	2.42E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.5E-09	6.1E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
82	BKGN	260485.04	4021953.3	260485.04, 402	7.62589	1.81E-03	1.81E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	1.9E-09	4.6E-08	2.4E-08	2.1E-08	2.5E-08	1.2E-07
83	BKGN	260543.68	4021953.3	260543.68, 402	5.79433	1.37E-03	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	9.0E-08
84	BKGN	260602.32	4021953.3	260602.32, 402	4.52293	1.07E-03	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.0E-08
85	BKGN	259429.52	4021996.82	259429.52, 402	2.49499	5.91E-04	5.91E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	8.3E-09	3.9E-08
86	BKGN	259488.16	4021996.82	259488.16, 402	2.74083	6.49E-04	6.49E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	9.1E-09	4.2E-08
87	BKGN	259546.8	4021996.82	259546.8, 4021	2.99019	7.08E-04	7.08E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.3E-09	8.4E-09	9.9E-09	4.6E-08
88	BKGN	259605.44	4021996.82	259605.44, 402	3.2454	7.68E-04	7.68E-04	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.1E-10	1.9E-08	1.0E-08	9.1E-09	1.1E-08	5.0E-08
89	BKGN	259664.08	4021996.82	259664.08, 402	3.52587	8.35E-04	8.35E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
90	BKGN	259722.72	4021996.82	259722.72, 402	3.88663	9.20E-04	9.20E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
91	BKGN	259781.36	4021996.82	259781.36, 402	4.38418	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
92	BKGN	259840	4021996.82	259840, 402199	4.93032	1.17E-03	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
93	BKGN	259898.64	4021996.82	259898.64, 402	5.59107	1.32E-03	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	1.9E-08	8.7E-08
94	BKGN	259957.28	4021996.82	259957.28, 402	6.87761	1.63E-03	1.63E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
95	BKGN	260015.92	4021996.82	260015.92, 402	9.44873	2.24E-03	2.24E-03	7.7E-07	2.3E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
96	BKGN	260074.56	4021996.82	260074.56, 402	12.70851	3.01E-03	3.01E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.5E-07	3.2E-09	7.6E-08	3.9E-08	3.6E-08	4.2E-08	2.0E-07
97	BKGN	260133.2	4021996.82	260133.2, 4021	18.19399	4.31E-03	4.31E-03	1.5E-06	4.5E-06	2.6E-06	2.4E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.1E-08	6.0E-08	2.8E-07
98	BKGN	260191.84	4021996.82	260191.84, 402	23.14882	5.48E-03	5.48E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.8E-09	1.4E-07	7.2E-08	6.5E-08	7.7E-08	3.6E-07
99	BKGN	260250.48	4021996.82	260250.48, 402	22.54489	5.34E-03	5.34E-03	1.8E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	5.6E-09	1.4E-07	7.0E-08	6.3E-08	7.5E-08	3.5E-07
100	BKGN	260309.12	4021996.82	260309.12, 402	18.04535	4.27E-03	4.27E-03	1.5E-06	4.5E-06	2.6E-06	2.3E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.1E-08	6.0E-08	2.8E-07
101	BKGN	260367.76	4021996.82	260367.76, 402	13.18789	3.12E-03	3.12E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	7.9E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
102	BKGN	260426.4	4021996.82	260426.4, 4021	9.47472	2.24E-03	2.24E-03	7.8E-07	2.3E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.7E-08	3.1E-08	1.5E-07
103	BKGN	260485.04	4021996.82	260485.04, 402	6.95592	1.65E-03	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.0E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
104	BKGN	260543.68	4021996.82	260543.68, 402	5.28613	1.25E-03	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
105	BKGN	260602.32	4021996.82	260602.32, 402	4.14487	9.81E-04	9.81E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
106	BKGN	259429.52	4022040.34	259429.52, 402	2.73885	6.48E-04	6.48E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	9.1E-09	4.2E-08
107	BKGN	259488.16	4022040.34	259488.16, 402	3.08695	7.31E-04	7.31E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.5E-09	8.7E-09	1.0E-08	4.8E-08
108	BKGN	259546.8	4022040.34	259546.8, 4022	3.45178	8.17E-04	8.17E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.1E-08	5.3E-08
109	BKGN	259605.44	4022040.34	259605.44, 402	3.82665	9.06E-04	9.06E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.9E-08
110	BKGN	259664.08	4022040.34	259664.08, 402	4.21609	9.98E-04	9.98E-04	3.5E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.5E-08
111	BKGN	259722.72	4022040.34	259722.72, 402	4.66508	1.10E-03	1.10E-03	3.8E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.2E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.2E-08
112	BKGN	259781.36	4022040.34	259781.36, 402	5.28617	1.25E-03	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
113	BKGN	259840	4022040.34	259840, 402204	6.08458	1.44E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.4E-08

114	BKGN	259898.64	4022040.34	259898.64, 402	7.00982	1.66E-03	1.66E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
115	BKGN	259957.28	4022040.34	259957.28, 402	8.76987	2.08E-03	2.08E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.2E-09	5.3E-08	2.7E-08	2.5E-08	2.9E-08	1.4E-07
116	BKGN	260015.92	4022040.34	260015.92, 402	12.6277	2.99E-03	2.99E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.5E-07	3.1E-09	7.6E-08	3.9E-08	3.5E-08	4.2E-08	2.0E-07
117	BKGN	260074.56	4022040.34	260074.56, 402	18.08852	4.28E-03	4.28E-03	1.5E-06	4.5E-06	2.6E-06	2.3E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.1E-08	6.0E-08	2.8E-07
118	BKGN	260133.2	4022040.34	260133.2, 4022	26.70879	6.32E-03	6.32E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	6.6E-09	1.6E-07	8.3E-08	7.5E-08	8.9E-08	4.1E-07
119	BKGN	260191.84	4022040.34	260191.84, 402	30.09211	7.12E-03	7.12E-03	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	7.5E-09	1.8E-07	9.3E-08	8.4E-08	1.0E-07	4.7E-07
120	BKGN	260250.48	4022040.34	260250.48, 402	24.96405	5.91E-03	5.91E-03	2.0E-06	6.2E-06	3.6E-06	3.2E-06	1.5E-06	6.2E-09	1.5E-07	7.7E-08	7.0E-08	8.3E-08	3.9E-07
121	BKGN	260309.12	4022040.34	260309.12, 402	17.7246	4.20E-03	4.20E-03	1.5E-06	4.4E-06	2.5E-06	2.3E-06	1.0E-06	4.4E-09	1.1E-07	5.5E-08	5.0E-08	5.9E-08	2.7E-07
122	BKGN	260367.76	4022040.34	260367.76, 402	12.14693	2.88E-03	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.0E-09	7.3E-08	3.8E-08	3.4E-08	4.0E-08	1.9E-07
123	BKGN	260426.4	4022040.34	260426.4, 4022	8.5431	2.02E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
124	BKGN	260485.04	4022040.34	260485.04, 402	6.27396	1.49E-03	1.49E-03	5.1E-07	1.6E-06	9.0E-07	8.1E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
125	BKGN	260543.68	4022040.34	260543.68, 402	4.79655	1.14E-03	1.14E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
126	BKGN	260602.32	4022040.34	260602.32, 402	3.79617	8.99E-04	8.99E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.9E-08
127	BKGN	259429.52	4022083.86	259429.52, 402	2.93215	6.94E-04	6.94E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	9.7E-09	4.5E-08
128	BKGN	259488.16	4022083.86	259488.16, 402	3.40202	8.05E-04	8.05E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.0E-08	1.1E-08	9.5E-09	1.1E-08	5.3E-08
129	BKGN	259546.8	4022083.86	259546.8, 4022	3.93378	9.31E-04	9.31E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
130	BKGN	259605.44	4022083.86	259605.44, 402	4.50905	1.07E-03	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.0E-08
131	BKGN	259664.08	4022083.86	259664.08, 402	5.10846	1.21E-03	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	1.7E-08	7.9E-08
132	BKGN	259722.72	4022083.86	259722.72, 402	5.75717	1.36E-03	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
133	BKGN	259781.36	4022083.86	259781.36, 402	6.5539	1.55E-03	1.55E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
134	BKGN	259840	4022083.86	259840, 402208	7.69839	1.82E-03	1.82E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.6E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
135	BKGN	259898.64	4022083.86	259898.64, 402	9.10497	2.16E-03	2.16E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	3.0E-08	1.4E-07
136	BKGN	259957.28	4022083.86	259957.28, 402	11.64753	2.76E-03	2.76E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	2.9E-09	7.0E-08	3.6E-08	3.3E-08	3.9E-08	1.8E-07
137	BKGN	260015.92	4022083.86	260015.92, 402	17.87817	4.23E-03	4.23E-03	1.5E-06	4.4E-06	2.6E-06	2.3E-06	1.1E-06	4.4E-09	1.1E-07	5.5E-08	5.0E-08	5.9E-08	2.8E-07
138	BKGN	260074.56	4022083.86	260074.56, 402	27.99892	6.63E-03	6.63E-03	2.3E-06	6.9E-06	4.0E-06	3.6E-06	1.7E-06	7.0E-09	1.7E-07	8.7E-08	7.9E-08	9.3E-08	4.3E-07
139	BKGN	260133.2	4022083.86	260133.2, 4022	39.64062	9.38E-03	9.38E-03	3.2E-06	9.8E-06	5.7E-06	5.1E-06	2.3E-06	9.9E-09	2.4E-07	1.2E-07	1.1E-07	1.3E-07	6.1E-07
140	BKGN	260191.84	4022083.86	260191.84, 402	36.32655	8.60E-03	8.60E-03	3.0E-06	9.0E-06	5.2E-06	4.7E-06	2.2E-06	9.0E-09	2.2E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
141	BKGN	260250.48	4022083.86	260250.48, 402	25.20808	5.97E-03	5.97E-03	2.1E-06	6.2E-06	3.6E-06	3.3E-06	1.5E-06	6.3E-09	1.5E-07	7.8E-08	7.1E-08	8.4E-08	3.9E-07
142	BKGN	260309.12	4022083.86	260309.12, 402	16.23533	3.84E-03	3.84E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.6E-07	4.0E-09	9.8E-08	5.0E-08	4.6E-08	5.4E-08	2.5E-07
143	BKGN	260367.76	4022083.86	260367.76, 402	10.78448	2.55E-03	2.55E-03	8.8E-07	2.7E-06	1.5E-06	1.4E-06	6.4E-07	2.7E-09	6.5E-08	3.3E-08	3.0E-08	3.6E-08	1.7E-07
144	BKGN	260426.4	4022083.86	260426.4, 4022	7.58912	1.80E-03	1.80E-03	6.2E-07	1.9E-06	1.1E-06	9.9E-07	4.5E-07	1.9E-09	4.6E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
145	BKGN	260485.04	4022083.86	260485.04, 402	5.6308	1.33E-03	1.33E-03	4.6E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	1.9E-08	8.7E-08
146	BKGN	260543.68	4022083.86	260543.68, 402	4.37061	1.03E-03	1.03E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
147	BKGN	260602.32	4022083.86	260602.32, 402	3.52501	8.34E-04	8.34E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
148	BKGN	259429.52	4022127.38	259429.52, 402	3.05109	7.22E-04	7.22E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.6E-09	1.0E-08	4.7E-08
149	BKGN	259488.16	4022127.38	259488.16, 402	3.62678	8.58E-04	8.58E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
150	BKGN	259546.8	4022127.38	259546.8, 4022	4.34356	1.03E-03	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
151	BKGN	259605.44	4022127.38	259605.44, 402	5.20678	1.23E-03	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.1E-08
152	BKGN	259664.08	4022127.38	259664.08, 402	6.191	1.47E-03	1.47E-03	5.1E-07	1.5E-06	8.9E-07	8.0E-07	3.7E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.1E-08	9.6E-08
153	BKGN	259722.72	4022127.38	259722.72, 402	7.26132	1.72E-03	1.72E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.4E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
154	BKGN	259781.36	4022127.38	259781.36, 402	8.45604	2.00E-03	2.00E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
155	BKGN	259840	4022127.38	259840, 402212	10.08167	2.39E-03	2.39E-03	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.1E-08	2.8E-08	3.3E-08	1.6E-07
156	BKGN	259898.64	4022127.38	259898.64, 402	12.3947	2.93E-03	2.93E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.3E-07	3.1E-09	7.4E-08	3.8E-08	3.5E-08	4.1E-08	1.9E-07
157	BKGN	259957.28	4022127.38	259957.28, 402	16.37769	3.88E-03	3.88E-03	1.3E-06	4.1E-06	2.3E-06	2.1E-06	9.7E-07	4.1E-09	9.8E-08	5.1E-08	4.6E-08	5.4E-08	2.5E-07
158	BKGN	260015.92	4022127.38	260015.92, 402	27.6075	6.53E-03	6.53E-03	2.3E-06	6.8E-06	4.0E-06	3.6E-06	1.6E-06	6.9E-09	1.7E-07	8.5E-08	7.7E-08	9.2E-08	4.3E-07
159	BKGN	260074.56	4022127.38	260074.56, 402	48.0318	1.14E-02	1.14E-02	3.9E-06	1.2E-05	6.9E-06	6.2E-06	2.8E-06	1.2E-08	2.9E-07	1.5E-07	1.3E-07	1.6E-07	7.4E-07
160	BKGN	260133.2	4022127.38	260133.2, 4022	55.92097	1.32E-02	1.32E-02	4.6E-06	1.4E-05	8.0E-06	7.3E-06	3.3E-06	1.4E-08	3.4E-07	1.7E-07	1.6E-07	1.9E-07	8.7E-07
161	BKGN	260191.84	4022127.38	260191.84, 402	38.79487	9.18E-03	9.18E-03	3.2E-06	9.6E-06	5.6E-06	5.0E-06	2.3E-06	9.6E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
162	BKGN	260250.48	4022127.38	260250.48, 402	22.99609	5.44E-03	5.44E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.4E-08	7.6E-08	3.6E-07
163	BKGN	260309.12	4022127.38	260309.12, 402	14.11471	3.34E-03	3.34E-03	1.2E-06	3.5E-06	2.0E-06	1.8E-06	8.4E-07	3.5E-09	8.5E-08	4.4E-08	4.0E-08	4.7E-08	2.2E-07
164	BKGN	260367.76	4022127.38	260367.76, 402	9.4013	2.23E-03	2.23E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.3E-09	5.6E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
165	BKGN	260426.4	4022127.38	260426.4, 4022	6.73519	1.59E-03	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
166	BKGN	260485.04	4022127.38	260485.04, 402	5.11996	1.21E-03	1.21E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	1.7E-08	7.9E-08
167	BKGN	260543.68	4022127.38	260543.68, 402	4.07462	9.64E-04	9.64E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
168	BKGN	260602.32	4022127.38	260602.32, 402	3.35715	7.95E-04	7.95E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	1.1E-08	5.2E-08
169	BKGN	259429.52	4022170.9	259429.52, 402	3.11576	7.37E-04	7.37E-04	2.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
170	BKGN	259488.16	4022170.9	259488.16, 402	3.74921	8.87E-04	8.87E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.3E-08	1.2E-08	1.1E-08	1.2E-08	5.8E-08
171	BKGN	259546.8	4022170.9	259546.8, 4022	4.59827	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
172	BKGN	259605.44	4022170.9	259605.44, 402	5.7405	1.36E-03	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
173	BKGN	259664.08	4022170.9	259664.08, 402	7.24797	1.72E-03	1.72E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.4E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
174	BKGN	259722.72	4022170.9	259722.72, 402	9.13077	2.16E-03	2.16E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	3.0E-08	1.4E-07
175	BKGN	259781.36	4022170.9	259781.36, 402	11.32344	2.68E-03	2.68E-03	9.3E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	2.8E-09	6.8E-08	3.5E-08	3.2E-08	3.8E-08	1.8E-07
176	BKGN	259840	4022170.9	259840, 402217	13.97344	3.31E-03	3.31E-03	1.1E-06	3.5E-06	2.0E-06	1.8E-06	8.3E-07	3.5E-09	8.4E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
177	BKGN	259898.64	4022170.9	259898.64, 402	17.99247	4.26E-03	4.26E-03	1.5E-06	4.5E-06	2.6E-06	2.3E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.0E-08	6.0E-08	2.8E-07
178	BKGN	259957.28	4022170.9	259957.28, 402	25.11081	5.94E-03	5.94E-03	2.1E-06	6.2E-06	3.6E-06	3.3E-06	1.5E-06	6.2E-09	1.5E-07	7.8E-08	7.0E-08	8.3E-08	3.9E-07
179	BKGN	260015.92	4022170.9	260015.92, 402	49.3412	1.17E-02	1.17E-02	4.0E-06	1.2E-05	7.1E-06	6.4E-06	2.9E-06	1.2E-08	3.0E-07	1.5E-07	1.4E-07	1.6E-07	7.6E-07
180	BKGN	260074.56	4022170.9	260074.56, 402	87.81353	2.08E-02	2.08E-02	7.2E-06	2.2E-05	1.3E-05	1.1E-05	5.2E-06	2.2E-08	5.3E-07	2.7E-07	2.5E-07	2.9E-07	1.4E-06
181	BKGN	260133.2	4022170.9	260133.2, 4022	67.62407	1.60E-02	1.60E-02	5.5E-06	1.7E-05	9.7E-06	8.8E-06	4.0E-06	1.7E-08	4.1E-07	2.1E-07	1.9E-07	2.2E-07	1.0E-06
182	BKGN	260191.84	4022170.9	260191.84, 402	35.44899	8.39E-03	8.39E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	8.8E-09	2.1E-07	1.1E-07	9.9E-08	1.2E-07	5.5E-07
183	BKGN	260250.48	4022170.9	260250.48, 402	19.40849	4.59E-03	4.59E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.1E-06	4.8E-09	1.2E-07	6.0E-08	5.4E-08	6.4E-08	3.0E-07
184	BKGN	260309.12	4022170.9	260309.12, 402	12.02162	2.85E-03	2.85E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.0E-09	7.2E-08	3.7E-08	3.4E-08	4.0E-08	1.9E-07
185	BKGN	260367.76	4022170.9	260367.76, 402	8.26532	1.96E-03	1.96E-03	6.8E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	2.7E-08	1.3E-07
186	BKGN	260426.4	4022170.9	260426.4, 4022	6.13513	1.45E-03	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.5E-08
187	BKGN	260485.04	4022170.9	260485.04, 402	4.8024	1.14E-03	1.14E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
188	BKGN	260543.68	4022170.9	260543.68, 402	3.89899	9.23E-04	9.23E-04	3.2E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
189	BKGN	260602.32	4022170.9	260602.32, 402	3.24606	7.68E-04	7.68E-04	2.7E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.1E-09	1.1E-08	5.0E-08
190	BKGN	259429.52	4022214.42	259429.52, 402	3.19614	7.57E-04	7.57E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.9E-09	9.0E-09	1.1E-08	4.9E-08
191	BKGN	259488.16	4022214.42	259488.16, 402	3.84679	9.11E-04	9.11E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
192	BKGN	259546.8	4022214.42	259546.8, 4022	4.74612	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
193	BKGN	259605.44	4022214.42	259605.44, 402	6.03463	1.43E-03	1.43E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.6E-07	1.5E-09	3.6E-08	1.9E-08	1.7E-08	2.0E-08	9.3E-08
194	BKGN	259664.08	4022214.42	259664.08, 402	7.94406	1.88E-03	1.88E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	2.6E-08	1.2E-07
195	BKGN	259722.72	4022214.42	259722.72, 402	10.82023	2.56E-03	2.56E-03	8.9E-07	2.7E-06	1.5E-06	1.4E-06	6.4E-07	2.7E-09	6.5E-08	3.3E-08	3.0E-08	3.6E-08	1.7E-07
196	BKGN	259781.36	4022214.42	259781.36, 402	15.03589	3.56E-03	3.56E-03	1.2E-06	3.7E-06	2.2E-06	2.0E-06	8.9E-07	3.7E-09	9.0E-08	4.7E-08	4.2E-08	5.0E-08	2.3E-07
197	BKGN	259840	4022214.42	259840, 402221	20.74703	4.91E-03	4.91E-03	1.7E-06	5.1E-06	3.0E-06	2.7E-06	1.2E-06	5.2E-09	1.2E-07	6.4E-08	5.8E-08	6.9E-08	3.2E-07
198	BKGN	259898.64	4022214.42	259898.64, 402	28.84368	6.83E-03	6.83E-03	2.4E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	7.2E-09	1.7E-07	8.9E-08	8.1E-08	9.6E-08	4.5E-07
199	BKGN	259957.28	4022214.42	259957.28, 402	44.55349	1.05E-02	1.05E-02	3.7E-06	1.1E-05	6.4E-06	5.8E-06	2.6E-06	1.1E-08	2.7E-07	1.4E-07	1.2E-07	1.5E-07	6.9E-07
200	BKGN	260015.92	4022214.42	260015.92, 402	116.35368	2.75E-02	2.75E-02	9.5E-06	2.9E-05	1.7E-05	1.5E-05	6.9E-06	2.9E-08	7.0E-07	3.6E-07	3.3E-07	3.9E-07	1.8E-06
201	BKGN	260074.56	4022214.42	260074.56, 402	143.30397	3.39E-02	3.39E-02	1.2E-05	3.5E-05	2.1E-05	1.9E-05	8.5E-06	3.6E-08	8.6E-07	4.4E-07	4.0E-07	4.8E-07	2.2E-06
202	BKGN	260133.2	4022214.42	260133.2, 4022	63.18395	1.50E-02	1.50E-02	5.2E-06	1.6E-05	9.0E-06	8.2E-06	3.7E-06	1.6E-08	3.8E-07	2.0E-07	1.8E-07	2.1E-07	9.8E-07
203	BKGN	260191.84	4022214.42	260191.84, 402	28.61205	6.77E-03	6.77E-03	2.3E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	7.1E-09	1.7E-07	8.9E-08	8.0E-08	9.5E-08	4.4E-07
204	BKGN	260250.48	4022214.42	260250.48, 402	16.07593	3.81E-03	3.81E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	4.0E-09	9.7E-08	5.0E-08	4.5E-08	5.3E-08	2.5E-07
205	BKGN	260309.12	4022214.42	260309.12, 402	10.50964	2.49E-03	2.49E-03	8.6E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	2.6E-09	6.3E-08	3.3E-08	2.9E-08	3.5E-08	1.6E-07
206	BKGN	260367.76	4022214.42	260367.76, 402	7.55954	1.79E-03	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
207	BKGN	260426.4	4022214.42	260426.4, 4022	5.77316	1.37E-03	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
208	BKGN	260485.04	4022214.42	260485.04, 402	4.58491	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
209	BKGN	260543.68	4022214.42	260543.68, 402	3.74676	8.87E-04	8.87E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.3E-08	1.2E-08	1.1E-08	1.2E-08	5.8E-08
210	BKGN	260602.32	4022214.42	260602.32, 402	3.12659	7.40E-04	7.40E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	1.0E-08	4.8E-08
211	BKGN	259429.52	4022257.94	259429.52, 402	3.32512	7.87E-04	7.87E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
212	BKGN	259488.16	4022257.94	259488.16, 402	4.00419	9.48E-04	9.48E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.2E-08
213	BKGN	259546.8	4022257.94	259546.8, 4022	4.94164	1.17E-03	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
214	BKGN	259605.44	4022257.94	259605.44, 402	6.2966	1.49E-03	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
215	BKGN	259664.08	4022257.94	259664.08, 402	8.37377	1.98E-03	1.98E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	2.8E-08	1.3E-07
216	BKGN	259722.72	4022257.94	259722.72, 402	11.80483	2.79E-03	2.79E-03	9.7E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	2.9E-09	7.1E-08	3.7E-08	3.3E-08	3.9E-08	1.8E-07
217	BKGN	259781.36	4022257.94	259781.36, 402	17.9871	4.26E-03	4.26E-03	1.5E-06	4.4E-06	2.6E-06	2.3E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.0E-08	6.0E-08	2.8E-07
218	BKGN	259840	4022257.94	259840, 402225	30.00486	7.10E-03	7.10E-03	2.5E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	7.5E-09	1.8E-07	9.3E-08	8.4E-08	1.0E-07	4.6E-07
219	BKGN	259898.64	4022257.94	259898.64, 402	53.83895	1.27E-02	1.27E-02	4.4E-06	1.3E-05	7.7E-06	7.0E-06	3.2E-06	1.3E-08	3.2E-07	1.7E-07	1.5E-07	1.8E-07	8.3E-07
220	BKGN	259957.28	4022257.94	259957.28, 402	107.3896	2.54E-02	2.54E-02	8.8E-06	2.7E-05	1.5E-05	1.4E-05	6.4E-06	2.7E-08	6.5E-07	3.3E-07	3.0E-07	3.6E-07	1.7E-06
221	BKGN	260015.92	4022257.94	260015.92, 402	413.4771	9.79E-02	9.79E-02	3.4E-05	1.0E-04	5.9E-05	5.4E-05	2.4E-05	1.0E-07	2.5E-06	1.3E-06	1.2E-06	1.4E-06	6.4E-06
222	BKGN	260074.56	4022257.94	260074.56, 402	148.57199	3.52E-02	3.52E-02	1.2E-05	3.7E-05	2.1E-05	1.9E-05	8.8E-06	3.7E-08	8.9E-07	4.6E-07	4.2E-07	4.9E-07	2.3E-06
223	BKGN	260133.2	4022257.94	260133.2, 4022	47.45514	1.12E-02	1.12E-02	3.9E-06	1.2E-05	6.8E-06	6.2E-06	2.8E-06	1.2E-08	2.9E-07	1.5E-07	1.3E-07	1.6E-07	7.3E-07
224	BKGN	260191.84	4022257.94	260191.84, 402	22.97394	5.44E-03	5.44E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.4E-08	7.6E-08	3.6E-07
225	BKGN	260250.48	4022257.94	260250.48, 402	13.97377	3.31E-03	3.31E-03	1.1E-06	3.5E-06	2.0E-06	1.8E-06	8.3E-07	3.5E-09	8.4E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
226	BKGN	260309.12	4022257.94	260309.12, 402	9.57283	2.27E-03	2.27E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
227	BKGN	260367.76	4022257.94	260367.76, 402	7.03877	1.67E-03	1.67E-03	5.8E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	1.8E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
228	BKGN	260426.4	4022257.94	260426.4, 4022	5.42587	1.28E-03	1.28E-03	4.4E-07	1.3E-06	7.8E-07	7.0E-07	3.2E-07	1.3E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
229	BKGN	260485.04	4022257.94	260485.04, 402	4.32924	1.02E-03	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
230	BKGN	260543.68	4022257.94	260543.68, 402	3.54559	8.39E-04	8.39E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
231	BKGN	260602.32	4022257.94	260602.32, 402	2.96512	7.02E-04	7.02E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.3E-09	9.8E-09	4.6E-08
232	BKGN	259429.52	4022301.46	259429.52, 402	3.44786	8.16E-04	8.16E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.1E-08	5.3E-08
233	BKGN	259488.16	4022301.46	259488.16, 402	4.17216	9.88E-04	9.88E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.5E-08
234	BKGN	259546.8	4022301.46	259546.8, 4022	5.17689	1.23E-03	1.23E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.0E-08
235	BKGN	259605.44	4022301.46	259605.44, 402	6.63469	1.57E-03	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
236	BKGN	259664.08	4022301.46	259664.08, 402	8.88289	2.10E-03	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.2E-09	5.3E-08	2.7E-08	2.5E-08	2.9E-08	1.4E-07

237	BKGN	259722.72	4022301.46	259722.72, 402	12.65548	3.00E-03	3.00E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.5E-07	3.1E-09	7.6E-08	3.9E-08	3.5E-08	4.2E-08	2.0E-07
238	BKGN	259781.36	4022301.46	259781.36, 402	19.82413	4.69E-03	4.69E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	4.9E-09	1.2E-07	6.1E-08	5.6E-08	6.6E-08	3.1E-07
239	BKGN	259840	4022301.46	259840, 40223	36.46593	8.63E-03	8.63E-03	3.0E-06	9.0E-06	5.2E-06	4.7E-06	2.2E-06	9.1E-09	2.2E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
240	BKGN	259898.64	4022301.46	259898.64, 402	91.71102	2.17E-02	2.17E-02	7.5E-06	2.3E-05	1.3E-05	1.2E-05	5.4E-06	2.3E-08	5.5E-07	2.8E-07	2.6E-07	3.0E-07	1.4E-06
241	BKGN	259957.28	4022301.46	259957.28, 402	597.60559	1.41E-01	1.41E-01	4.9E-05	1.5E-04	8.6E-05	7.8E-05	3.5E-05	1.5E-07	3.6E-06	1.8E-06	1.7E-06	2.0E-06	9.2E-06
242	BKGN	260015.92	4022301.46	260015.92, 402	752.47422	1.78E-01	1.78E-01	6.2E-05	1.9E-04	1.1E-04	9.8E-05	4.5E-05	1.9E-07	4.5E-06	2.3E-06	2.1E-06	2.5E-06	1.2E-05
243	BKGN	260074.56	4022301.46	260074.56, 402	96.42577	2.28E-02	2.28E-02	7.9E-06	2.4E-05	1.4E-05	1.3E-05	5.7E-06	2.4E-08	5.8E-07	3.0E-07	2.7E-07	3.2E-07	1.5E-06
244	BKGN	260133.2	4022301.46	260133.2, 4022	35.95165	8.51E-03	8.51E-03	2.9E-06	8.9E-06	5.1E-06	4.7E-06	2.1E-06	8.9E-09	2.2E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
245	BKGN	260191.84	4022301.46	260191.84, 402	19.37851	4.59E-03	4.59E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.1E-06	4.8E-09	1.2E-07	6.0E-08	5.4E-08	6.4E-08	3.0E-07
246	BKGN	260250.48	4022301.46	260250.48, 402	12.32858	2.92E-03	2.92E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.3E-07	3.1E-09	7.4E-08	3.8E-08	3.5E-08	4.1E-08	1.9E-07
247	BKGN	260309.12	4022301.46	260309.12, 402	8.6227	2.04E-03	2.04E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.2E-08	2.7E-08	2.4E-08	2.9E-08	1.3E-07
248	BKGN	260367.76	4022301.46	260367.76, 402	6.41439	1.52E-03	1.52E-03	5.3E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.1E-08	9.9E-08
249	BKGN	260426.4	4022301.46	260426.4, 4022	4.98947	1.18E-03	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.5E-07	3.0E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.7E-08	7.7E-08
250	BKGN	260485.04	4022301.46	260485.04, 402	4.00757	9.49E-04	9.49E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.2E-08
251	BKGN	260543.68	4022301.46	260543.68, 402	3.30074	7.81E-04	7.81E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
252	BKGN	260602.32	4022301.46	260602.32, 402	2.77483	6.57E-04	6.57E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
253	BKGN	259429.52	4022344.98	259429.52, 402	3.52897	8.35E-04	8.35E-04	2.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
254	BKGN	259488.16	4022344.98	259488.16, 402	4.28444	1.01E-03	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
255	BKGN	259546.8	4022344.98	259546.8, 4022	5.33576	1.26E-03	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	1.8E-08	8.3E-08
256	BKGN	259605.44	4022344.98	259605.44, 402	6.86789	1.63E-03	1.63E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
257	BKGN	259664.08	4022344.98	259664.08, 402	9.23947	2.19E-03	2.19E-03	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	2.3E-09	5.6E-08	2.9E-08	2.6E-08	3.1E-08	1.4E-07
258	BKGN	259722.72	4022344.98	259722.72, 402	13.23347	3.13E-03	3.13E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	8.0E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
259	BKGN	259781.36	4022344.98	259781.36, 402	20.84306	4.93E-03	4.93E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	5.2E-09	1.3E-07	6.4E-08	5.8E-08	6.9E-08	3.2E-07
260	BKGN	259840	4022344.98	259840, 402234	38.59031	9.13E-03	9.13E-03	3.2E-06	9.5E-06	5.5E-06	5.0E-06	2.3E-06	9.6E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
261	BKGN	259898.64	4022344.98	259898.64, 402	99.63525	2.36E-02	2.36E-02	8.2E-06	2.5E-05	1.4E-05	1.3E-05	5.9E-06	2.5E-08	6.0E-07	3.1E-07	2.8E-07	3.3E-07	1.5E-06
262	BKGN	259957.28	4022344.98	259957.28, 402	753.64968	1.78E-01	1.78E-01	6.2E-05	1.9E-04	1.1E-04	9.8E-05	4.5E-05	1.9E-07	4.5E-06	2.3E-06	2.1E-06	2.5E-06	1.2E-05
263	BKGN	260015.92	4022344.98	260015.92, 402	288.24567	6.82E-02	6.82E-02	2.4E-05	7.1E-05	4.1E-05	3.7E-05	1.7E-05	7.2E-08	1.7E-06	8.9E-07	8.1E-07	9.6E-07	4.5E-06
264	BKGN	260074.56	4022344.98	260074.56, 402	64.11415	1.52E-02	1.52E-02	5.3E-06	1.6E-05	9.2E-06	8.3E-06	3.8E-06	1.6E-08	3.9E-07	2.0E-07	1.8E-07	2.1E-07	9.9E-07
265	BKGN	260133.2	4022344.98	260133.2, 4022	28.92795	6.85E-03	6.85E-03	2.4E-06	7.2E-06	4.1E-06	3.8E-06	1.7E-06	7.2E-09	1.7E-07	8.9E-08	8.1E-08	9.6E-08	4.5E-07
266	BKGN	260191.84	4022344.98	260191.84, 402	16.6291	3.94E-03	3.94E-03	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.9E-07	4.1E-09	1.0E-07	5.1E-08	4.7E-08	5.5E-08	2.6E-07
267	BKGN	260250.48	4022344.98	260250.48, 402	10.91971	2.58E-03	2.58E-03	8.9E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	2.7E-09	6.6E-08	3.4E-08	3.1E-08	3.6E-08	1.7E-07
268	BKGN	260309.12	4022344.98	260309.12, 402	7.78697	1.84E-03	1.84E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.7E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
269	BKGN	260367.76	4022344.98	260367.76, 402	5.87494	1.39E-03	1.39E-03	4.8E-07	1.5E-06	8.4E-07	7.6E-07	3.5E-07	1.5E-09	3.5E-08	1.8E-08	1.6E-08	2.0E-08	9.1E-08
270	BKGN	260426.4	4022344.98	260426.4, 4022	4.61378	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
271	BKGN	260485.04	4022344.98	260485.04, 402	3.7343	8.84E-04	8.84E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.3E-10	2.2E-08	1.2E-08	1.0E-08	1.2E-08	5.8E-08
272	BKGN	260543.68	4022344.98	260543.68, 402	3.09605	7.33E-04	7.33E-04	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
273	BKGN	260602.32	4022344.98	260602.32, 402	2.6152	6.19E-04	6.19E-04	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.1E-09	7.3E-09	8.7E-09	4.0E-08
274	BKGN	259429.52	4022388.5	259429.52, 402	3.57014	8.45E-04	8.45E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.9E-10	2.1E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
275	BKGN	259488.16	4022388.5	259488.16, 402	4.32322	1.02E-03	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
276	BKGN	259546.8	4022388.5	259546.8, 4022	5.36099	1.27E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	1.8E-08	8.3E-08
277	BKGN	259605.44	4022388.5	259605.44, 402	6.851	1.62E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
278	BKGN	259664.08	4022388.5	259664.08, 402	9.10907	2.16E-03	2.16E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	3.0E-08	1.4E-07
279	BKGN	259722.72	4022388.5	259722.72, 402	12.79533	3.03E-03	3.03E-03	1.0E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.2E-09	7.7E-08	4.0E-08	3.6E-08	4.2E-08	2.0E-07
280	BKGN	259781.36	4022388.5	259781.36, 402	19.47466	4.61E-03	4.61E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	4.8E-09	1.2E-07	6.0E-08	5.5E-08	6.5E-08	3.0E-07
281	BKGN	259840	4022388.5	259840, 402238	33.39055	7.90E-03	7.90E-03	2.7E-06	8.3E-06	4.8E-06	4.3E-06	2.0E-06	8.3E-09	2.0E-07	1.0E-07	9.4E-08	1.1E-07	5.2E-07
282	BKGN	259898.64	4022388.5	259898.64, 402	66.40792	1.57E-02	1.57E-02	5.4E-06	1.6E-05	9.5E-06	8.6E-06	3.9E-06	1.7E-08	4.0E-07	2.1E-07	1.9E-07	2.2E-07	1.0E-06
283	BKGN	259957.28	4022388.5	259957.28, 402	155.18069	3.67E-02	3.67E-02	1.3E-05	3.8E-05	2.2E-05	2.0E-05	9.2E-06	3.9E-08	9.3E-07	4.8E-07	4.4E-07	5.2E-07	2.4E-06
284	BKGN	260015.92	4022388.5	260015.92, 402	96.14561	2.28E-02	2.28E-02	7.9E-06	2.4E-05	1.4E-05	1.2E-05	5.7E-06	2.4E-08	5.8E-07	3.0E-07	2.7E-07	3.2E-07	1.5E-06
285	BKGN	260074.56	4022388.5	260074.56, 402	41.36324	9.79E-03	9.79E-03	3.4E-06	1.0E-05	5.9E-06	5.4E-06	2.5E-06	1.0E-08	2.5E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
286	BKGN	260133.2	4022388.5	260133.2, 4022	22.98535	5.44E-03	5.44E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	5.7E-09	1.4E-07	7.1E-08	6.4E-08	7.6E-08	3.6E-07
287	BKGN	260191.84	4022388.5	260191.84, 402	14.60724	3.46E-03	3.46E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.7E-07	3.6E-09	8.8E-08	4.5E-08	4.1E-08	4.9E-08	2.3E-07
288	BKGN	260250.48	4022388.5	260250.48, 402	10.06362	2.38E-03	2.38E-03	8.2E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.5E-09	6.0E-08	3.1E-08	2.8E-08	3.3E-08	1.6E-07
289	BKGN	260309.12	4022388.5	260309.12, 402	7.34514	1.74E-03	1.74E-03	6.0E-07	1.8E-06	1.1E-06	9.5E-07	4.4E-07	1.8E-09	4.4E-08	2.3E-08	2.1E-08	2.4E-08	1.1E-07
290	BKGN	260367.76	4022388.5	260367.76, 402	5.60655	1.33E-03	1.33E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	1.9E-08	8.7E-08
291	BKGN	260426.4	4022388.5	260426.4, 4022	4.4315	1.05E-03	1.05E-03	3.6E-07	1.1E-06	6.3E-07	5.8E-07	2.6E-07	1.1E-09	2.7E-08	1.4E-08	1.2E-08	1.5E-08	6.9E-08
292	BKGN	260485.04	4022388.5	260485.04, 402	3.60333	8.53E-04	8.53E-04	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
293	BKGN	260543.68	4022388.5	260543.68, 402	2.99477	7.09E-04	7.09E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.3E-09	8.4E-09	9.9E-09	4.6E-08
294	BKGN	260602.32	4022388.5	260602.32, 402	2.53543	6.00E-04	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
295	BKGN	259429.52	4022432.02	259429.52, 402	3.52395	8.34E-04	8.34E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
296	BKGN	259488.16	4022432.02	259488.16, 402	4.22808	1.00E-03	1.00E-03	3.5E-07	1.0E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.5E-08
297	BKGN	259546.8	4022432.02	259546.8, 4022	5.18065	1.23E-03	1.23E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.0E-08
298	BKGN	259605.44	4022432.02	259605.44, 402	6.52147	1.54E-03	1.54E-03	5.3E-07	1.6E-06	9.3E-07	8.5E-07	3.9E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
299	BKGN	259664.08	4022432.02	259664.08, 402	8.50531	2.01E-03	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
300	BKGN	259722.72	4022432.02	259722.72, 402	11.61883	2.75E-03	2.75E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	2.9E-09	7.0E-08	3.6E-08	3.3E-08	3.9E-08	1.8E-07
301	BKGN	259781.36	4022432.02	259781.36, 402	16.7271	3.96E-03	3.96E-03	1.4E-06	4.1E-06	2.4E-06	2.2E-06	9.9E-07	4.2E-09	1.0E-07	5.2E-08	4.7E-08	5.6E-08	2.6E-07
302	BKGN	259840	4022432.02	259840, 402243	24.95193	5.91E-03	5.91E-03	2.0E-06	6.2E-06	3.6E-06	3.2E-06	1.5E-06	6.2E-09	1.5E-07	7.7E-08	7.0E-08	8.3E-08	3.9E-07
303	BKGN	259898.64	4022432.02	259898.64, 402	38.22987	9.05E-03	9.05E-03	3.1E-06	9.5E-06	5.5E-06	5.0E-06	2.3E-06	9.5E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
304	BKGN	259957.28	4022432.02	259957.28, 402	57.35184	1.36E-02	1.36E-02	4.7E-06	1.4E-05	8.2E-06	7.4E-06	3.4E-06	1.4E-08	3.4E-07	1.8E-07	1.6E-07	1.9E-07	8.9E-07
305	BKGN	260015.92	4022432.02	260015.92, 402	43.74201	1.04E-02	1.04E-02	3.6E-06	1.1E-05	6.3E-06	5.7E-06	2.6E-06	1.1E-08	2.6E-07	1.4E-07	1.2E-07	1.5E-07	6.8E-07
306	BKGN	260074.56	4022432.02	260074.56, 402	26.83633	6.35E-03	6.35E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	6.7E-09	1.6E-07	8.3E-08	7.5E-08	8.9E-08	4.2E-07
307	BKGN	260133.2	4022432.02	260133.2, 4022	17.10456	4.05E-03	4.05E-03	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	4.3E-09	1.0E-07	5.3E-08	4.8E-08	5.7E-08	2.6E-07
308	BKGN	260191.84	4022432.02	260191.84, 402	11.77188	2.79E-03	2.79E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	2.9E-09	7.1E-08	3.6E-08	3.3E-08	3.9E-08	1.8E-07
309	BKGN	260250.48	4022432.02	260250.48, 402	8.72984	2.07E-03	2.07E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.2E-09	5.2E-08	2.7E-08	2.4E-08	2.9E-08	1.4E-07
310	BKGN	260309.12	4022432.02	260309.12, 402	6.71749	1.59E-03	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
311	BKGN	260367.76	4022432.02	260367.76, 402	5.299	1.25E-03	1.25E-03	4.3E-07	1.3E-06	7.6E-07	6.9E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
312	BKGN	260426.4	4022432.02	260426.4, 4022	4.27141	1.01E-03	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
313	BKGN	260485.04	4022432.02	260485.04, 402	3.51238	8.31E-04	8.31E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
314	BKGN	260543.68	4022432.02	260543.68, 402	2.9389	6.96E-04	6.96E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	9.8E-09	4.5E-08
315	BKGN	260602.32	4022432.02	260602.32, 402	2.49811	5.91E-04	5.91E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	8.3E-09	3.9E-08
316	BKGN	259429.52	4022475.54	259429.52, 402	3.38626	8.02E-04	8.02E-04	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.5E-09	1.1E-08	5.2E-08
317	BKGN	259488.16	4022475.54	259488.16, 402	4.02668	9.53E-04	9.53E-04	3.3E-07	1.0E-06	5.8E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.2E-08
318	BKGN	259546.8	4022475.54	259546.8, 4022	4.88618	1.16E-03	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
319	BKGN	259605.44	4022475.54	259605.44, 402	6.07903	1.44E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.4E-08
320	BKGN	259664.08	4022475.54	259664.08, 402	7.77697	1.84E-03	1.84E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.7E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
321	BKGN	259722.72	4022475.54	259722.72, 402	10.18625	2.41E-03	2.41E-03	8.3E-07	2.5E-06	1.5E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
322	BKGN	259781.36	4022475.54	259781.36, 402	13.43398	3.18E-03	3.18E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	8.0E-07	3.3E-09	8.1E-08	4.2E-08	3.8E-08	4.5E-08	2.1E-07
323	BKGN	259840	4022475.54	259840, 402247	17.57887	4.16E-03	4.16E-03	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.4E-09	1.1E-07	5.4E-08	4.9E-08	5.8E-08	2.7E-07
324	BKGN	259898.64	4022475.54	259898.64, 402	24.83717	5.88E-03	5.88E-03	2.0E-06	6.1E-06	3.6E-06	3.2E-06	1.5E-06	6.2E-09	1.5E-07	7.7E-08	7.0E-08	8.2E-08	3.8E-07
325	BKGN	259957.28	4022475.54	259957.28, 402	29.66675	7.02E-03	7.02E-03	2.4E-06	7.3E-06	4.2E-06	3.9E-06	1.8E-06	7.4E-09	1.8E-07	9.2E-08	8.3E-08	9.9E-08	4.6E-07
326	BKGN	260015.92	4022475.54	260015.92, 402	25.38041	6.01E-03	6.01E-03	2.1E-06	6.3E-06	3.6E-06	3.3E-06	1.5E-06	6.3E-09	1.5E-07	7.9E-08	7.1E-08	8.4E-08	3.9E-07
327	BKGN	260074.56	4022475.54	260074.56, 402	17.76713	4.21E-03	4.21E-03	1.5E-06	4.4E-06	2.5E-06	2.3E-06	1.1E-06	4.4E-09	1.1E-07	5.5E-08	5.0E-08	5.9E-08	2.7E-07
328	BKGN	260133.2	4022475.54	260133.2, 4022	13.33179	3.16E-03	3.16E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.9E-07	3.3E-09	8.0E-08	4.1E-08	3.7E-08	4.4E-08	2.1E-07
329	BKGN	260191.84	4022475.54	260191.84, 402	9.54026	2.26E-03	2.26E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.4E-09	5.7E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
330	BKGN	260250.48	4022475.54	260250.48, 402	7.23393	1.71E-03	1.71E-03	5.9E-07	1.8E-06	1.0E-06	9.4E-07	4.3E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
331	BKGN	260309.12	4022475.54	260309.12, 402	5.78244	1.37E-03	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
332	BKGN	260367.76	4022475.54	260367.76, 402	4.74827	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
333	BKGN	260426.4	4022475.54	260426.4, 4022	3.95607	9.36E-04	9.36E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	9.8E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
334	BKGN	260485.04	4022475.54	260485.04, 402	3.33227	7.89E-04	7.89E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.2E-08
335	BKGN	260543.68	4022475.54	260543.68, 402	2.83443	6.71E-04	6.71E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	7.9E-09	9.4E-09	4.4E-08
336	BKGN	260602.32	4022475.54	260602.32, 402	2.43569	5.77E-04	5.77E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.1E-10	1.5E-08	7.5E-09	6.8E-09	8.1E-09	3.8E-08
337	BKGN	259429.52	4022519.06	259429.52, 402	3.22612	7.64E-04	7.64E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.0E-09	1.1E-08	5.0E-08
338	BKGN	259488.16	4022519.06	259488.16, 402	3.81371	9.03E-04	9.03E-04	3.1E-07	9.4E-07	5.5E-07	5.0E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.9E-08
339	BKGN	259546.8	4022519.06	259546.8, 4022	4.58695	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
340	BKGN	259605.44	4022519.06	259605.44, 402	5.60672	1.33E-03	1.33E-03	4.6E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.4E-09	3.4E-08	1.7E-08	1.6E-08	1.9E-08	8.7E-08
341	BKGN	259664.08	4022519.06	259664.08, 402	6.9203	1.64E-03	1.64E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.7E-09	4.2E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
342	BKGN	259722.72	4022519.06	259722.72, 402	8.52482	2.02E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
343	BKGN	259781.36	4022519.06	259781.36, 402	10.42561	2.47E-03	2.47E-03	8.5E-07	2.6E-06	1.5E-06	1.4E-06	6.2E-07	2.6E-09	6.3E-08	3.2E-08	2.9E-08	3.5E-08	1.6E-07
344	BKGN	259840	4022519.06	259840, 402251	13.10053	3.10E-03	3.10E-03	1.1E-06	3.2E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	7.9E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
345	BKGN	259898.64	4022519.06	259898.64, 402	17.68358	4.19E-03	4.19E-03	1.4E-06	4.4E-06	2.5E-06	2.3E-06	1.0E-06	4.4E-09	1.1E-07	5.5E-08	5.0E-08	5.9E-08	2.7E-07
346	BKGN	259957.28	4022519.06	259957.28, 402	18.95935	4.49E-03	4.49E-03	1.6E-06	4.7E-06	2.7E-06	2.5E-06	1.1E-06	4.7E-09	1.1E-07	5.9E-08	5.3E-08	6.3E-08	2.9E-07
347	BKGN	260015.92	4022519.06	260015.92, 402	17.39924	4.12E-03	4.12E-03	1.4E-06	4.3E-06	2.5E-06	2.3E-06	1.0E-06	4.3E-09	1.0E-07	5.4E-08	4.9E-08	5.8E-08	2.7E-07
348	BKGN	260074.56	4022519.06	260074.56, 402	12.42375	2.94E-03	2.94E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.1E-09	7.5E-08	3.8E-08	3.5E-08	4.1E-08	1.9E-07
349	BKGN	260133.2	4022519.06	260133.2, 4022	10.28832	2.44E-03	2.44E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.6E-09	6.2E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
350	BKGN	260191.84	4022519.06	260191.84, 402	8.03994	1.90E-03	1.90E-03	6.6E-07	2.0E-06	1.2E-06	1.0E-06	4.8E-07	2.0E-09	4.8E-08	2.5E-08	2.3E-08	2.7E-08	1.2E-07
351	BKGN	260250.48	4022519.06	260250.48, 402	6.18767	1.46E-03	1.46E-03	5.1E-07	1.5E-06	8.9E-07	8.0E-07	3.7E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.1E-08	9.6E-08
352	BKGN	260309.12	4022519.06	260309.12, 402	4.95594	1.17E-03	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.7E-08
353	BKGN	260367.76	4022519.06	260367.76, 402	4.1298	9.78E-04	9.78E-04	3.4E-07	1.0E-06	5.9E-07	5.4E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
354	BKGN	260426.4	4022519.06	260426.4, 4022	3.52299	8.34E-04	8.34E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.5E-08
355	BKGN	260485.04	4022519.06	260485.04, 402	3.04433	7.21E-04	7.21E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.5E-09	1.0E-08	4.7E-08
356	BKGN	260543.68	4022519.06	260543.68, 402	2.64876	6.27E-04	6.27E-04	2.2E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	8.8E-09	4.1E-08
357	BKGN	260602.32	4022519.06	260602.32, 402	2.31685	5.48E-04	5.48E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	7.7E-09	3.6E-08
358	BKGN	259429.52	4022562.58	259429.52, 402	3.07616	7.28E-04	7.28E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.8E-08	9.5E-09	8.6E-09	1.0E-08	4.8E-08
359	BKGN	259488.16	4022562.58	259488.16, 402	3.60671	8.54E-04	8.54E-04	3.0E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08

360	BKGN	259546.8	4022562.58	259546.8, 4022	4.2668	1.01E-03	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
361	BKGN	259605.44	4022562.58	259605.44, 402	5.06106	1.20E-03	1.20E-03	4.1E-07	1.3E-06	7.2E-07	6.6E-07	3.0E-07	1.3E-09	3.0E-08	1.6E-08	1.4E-08	1.7E-08	7.8E-08
362	BKGN	259664.08	4022562.58	259664.08, 402	5.97454	1.41E-03	1.41E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
363	BKGN	259722.72	4022562.58	259722.72, 402	7.00738	1.66E-03	1.66E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.2E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
364	BKGN	259781.36	4022562.58	259781.36, 402	8.23308	1.95E-03	1.95E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.0E-09	4.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07
365	BKGN	259840	4022562.58	259840, 402256	10.38504	2.46E-03	2.46E-03	8.5E-07	2.6E-06	1.5E-06	1.3E-06	6.2E-07	2.6E-09	6.2E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
366	BKGN	259898.64	4022562.58	259898.64, 402	12.84472	3.04E-03	3.04E-03	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.2E-09	7.7E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
367	BKGN	259957.28	4022562.58	259957.28, 402	13.10268	3.10E-03	3.10E-03	1.1E-06	3.2E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	7.9E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
368	BKGN	260015.92	4022562.58	260015.92, 402	12.46403	2.95E-03	2.95E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.4E-07	3.1E-09	7.5E-08	3.9E-08	3.5E-08	4.1E-08	1.9E-07
369	BKGN	260074.56	4022562.58	260074.56, 402	9.81167	2.32E-03	2.32E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.4E-09	5.9E-08	3.0E-08	2.8E-08	3.3E-08	1.5E-07
370	BKGN	260133.2	4022562.58	260133.2, 4022	7.99463	1.89E-03	1.89E-03	6.6E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	2.7E-08	1.2E-07
371	BKGN	260191.84	4022562.58	260191.84, 402	6.69654	1.59E-03	1.59E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
372	BKGN	260250.48	4022562.58	260250.48, 402	5.44536	1.29E-03	1.29E-03	4.5E-07	1.3E-06	7.8E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
373	BKGN	260309.12	4022562.58	260309.12, 402	4.38666	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
374	BKGN	260367.76	4022562.58	260367.76, 402	3.64153	8.62E-04	8.62E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	9.1E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
375	BKGN	260426.4	4022562.58	260426.4, 4022	3.11821	7.38E-04	7.38E-04	2.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	7.8E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
376	BKGN	260485.04	4022562.58	260485.04, 402	2.72409	6.45E-04	6.45E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.8E-10	1.6E-08	8.4E-09	7.6E-09	9.0E-09	4.2E-08
377	BKGN	260543.68	4022562.58	260543.68, 402	2.40848	5.70E-04	5.70E-04	2.0E-07	6.0E-07	3.4E-07	3.1E-07	1.4E-07	6.0E-10	1.4E-08	7.5E-09	6.8E-09	8.0E-09	3.7E-08
378	BKGN	260602.32	4022562.58	260602.32, 402	2.1455	5.08E-04	5.08E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	7.1E-09	3.3E-08
379	BKGN	259429.52	4022606.1	259429.52, 402	2.92011	6.91E-04	6.91E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.0E-09	8.2E-09	9.7E-09	4.5E-08
380	BKGN	259488.16	4022606.1	259488.16, 402	3.36904	7.97E-04	7.97E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	1.1E-08	5.2E-08
381	BKGN	259546.8	4022606.1	259546.8, 4022	3.88433	9.19E-04	9.19E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
382	BKGN	259605.44	4022606.1	259605.44, 402	4.45511	1.05E-03	1.05E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.1E-09	2.7E-08	1.4E-08	1.2E-08	1.5E-08	6.9E-08
383	BKGN	259664.08	4022606.1	259664.08, 402	5.08659	1.20E-03	1.20E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	1.7E-08	7.9E-08
384	BKGN	259722.72	4022606.1	259722.72, 402	5.79393	1.37E-03	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	9.0E-08
385	BKGN	259781.36	4022606.1	259781.36, 402	6.80314	1.61E-03	1.61E-03	5.6E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
386	BKGN	259840	4022606.1	259840, 402260	8.49739	2.01E-03	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
387	BKGN	259898.64	4022606.1	259898.64, 402	9.71562	2.30E-03	2.30E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
388	BKGN	259957.28	4022606.1	259957.28, 402	9.64822	2.28E-03	2.28E-03	7.9E-07	2.4E-06	1.4E-06	1.3E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
389	BKGN	260015.92	4022606.1	260015.92, 402	9.39472	2.22E-03	2.22E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.3E-09	5.6E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
390	BKGN	260074.56	4022606.1	260074.56, 402	7.86625	1.86E-03	1.86E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.7E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
391	BKGN	260133.2	4022606.1	260133.2, 4022	6.42438	1.52E-03	1.52E-03	5.3E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.1E-08	9.9E-08
392	BKGN	260191.84	4022606.1	260191.84, 402	5.52675	1.31E-03	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.6E-08
393	BKGN	260250.48	4022606.1	260250.48, 402	4.73983	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.8E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
394	BKGN	260309.12	4022606.1	260309.12, 402	3.9647	9.38E-04	9.38E-04	3.2E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	9.9E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
395	BKGN	260367.76	4022606.1	260367.76, 402	3.29751	7.81E-04	7.81E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.1E-08
396	BKGN	260426.4	4022606.1	260426.4, 4022	2.80933	6.65E-04	6.65E-04	2.3E-07	7.0E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.9E-09	9.3E-09	4.3E-08
397	BKGN	260485.04	4022606.1	260485.04, 402	2.45274	5.81E-04	5.81E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	8.1E-09	3.8E-08
398	BKGN	260543.68	4022606.1	260543.68, 402	2.17726	5.15E-04	5.15E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.7E-09	6.1E-09	7.2E-09	3.4E-08
399	BKGN	260602.32	4022606.1	260602.32, 402	1.95544	4.63E-04	4.63E-04	1.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	4.9E-10	1.2E-08	6.0E-09	5.5E-09	6.5E-09	3.0E-08
400	BKGN	259429.52	4022649.62	259429.52, 402	2.7384	6.48E-04	6.48E-04	2.2E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	9.1E-09	4.2E-08
401	BKGN	259488.16	4022649.62	259488.16, 402	3.09118	7.32E-04	7.32E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
402	BKGN	259546.8	4022649.62	259546.8, 4022	3.47195	8.22E-04	8.22E-04	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.2E-08	5.4E-08
403	BKGN	259605.44	4022649.62	259605.44, 402	3.88633	9.20E-04	9.20E-04	3.2E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
404	BKGN	259664.08	4022649.62	259664.08, 402	4.34148	1.03E-03	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
405	BKGN	259722.72	4022649.62	259722.72, 402	4.88636	1.16E-03	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.2E-09	2.9E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
406	BKGN	259781.36	4022649.62	259781.36, 402	5.82275	1.38E-03	1.38E-03	4.8E-07	1.4E-06	8.3E-07	7.6E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	9.0E-08
407	BKGN	259840	4022649.62	259840, 402264	6.98538	1.65E-03	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
408	BKGN	259898.64	4022649.62	259898.64, 402	7.58193	1.79E-03	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.6E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
409	BKGN	259957.28	4022649.62	259957.28, 402	7.47434	1.77E-03	1.77E-03	6.1E-07	1.8E-06	1.1E-06	9.7E-07	4.4E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
410	BKGN	260015.92	4022649.62	260015.92, 402	7.28808	1.73E-03	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.0E-08	2.4E-08	1.1E-07
411	BKGN	260074.56	4022649.62	260074.56, 402	6.39938	1.51E-03	1.51E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	2.1E-08	9.9E-08
412	BKGN	260133.2	4022649.62	260133.2, 4022	5.31921	1.26E-03	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
413	BKGN	260191.84	4022649.62	260191.84, 402	4.61991	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
414	BKGN	260250.48	4022649.62	260250.48, 402	4.0743	9.64E-04	9.64E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
415	BKGN	260309.12	4022649.62	260309.12, 402	3.55521	8.42E-04	8.42E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
416	BKGN	260367.76	4022649.62	260367.76, 402	3.03434	7.18E-04	7.18E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.4E-09	8.5E-09	1.0E-08	4.7E-08
417	BKGN	260426.4	4022649.62	260426.4, 4022	2.58294	6.11E-04	6.11E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.4E-10	1.6E-08	8.0E-09	7.2E-09	8.6E-09	4.0E-08
418	BKGN	260485.04	4022649.62	260485.04, 402	2.24343	5.31E-04	5.31E-04	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.3E-08	6.9E-09	6.3E-09	7.4E-09	3.5E-08
419	BKGN	260543.68	4022649.62	260543.68, 402	1.98864	4.71E-04	4.71E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.2E-09	5.6E-09	6.6E-09	3.1E-08
420	BKGN	260602.32	4022649.62	260602.32, 402	1.78732	4.23E-04	4.23E-04	1.5E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.4E-10	1.1E-08	5.5E-09	5.0E-09	5.9E-09	2.8E-08
421	BKGN	259429.52	4022693.14	259429.52, 402	2.52931	5.99E-04	5.99E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
422	BKGN	259488.16	4022693.14	259488.16, 402	2.79625	6.62E-04	6.62E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.8E-09	9.3E-09	4.3E-08
423	BKGN	259546.8	4022693.14	259546.8, 4022	3.08347	7.30E-04	7.30E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.5E-09	8.6E-09	1.0E-08	4.8E-08
424	BKGN	259605.44	4022693.14	259605.44, 402	3.39723	8.04E-04	8.04E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.0E-08	1.1E-08	9.5E-09	1.1E-08	5.3E-08
425	BKGN	259664.08	4022693.14	259664.08, 402	3.7415	8.86E-04	8.86E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.2E-08	1.2E-08	1.0E-08	1.2E-08	5.8E-08
426	BKGN	259722.72	4022693.14	259722.72, 402	4.2444	1.00E-03	1.00E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
427	BKGN	259781.36	4022693.14	259781.36, 402	5.06074	1.20E-03	1.20E-03	4.1E-07	1.3E-06	7.2E-07	6.6E-07	3.0E-07	1.3E-09	3.0E-08	1.6E-08	1.4E-08	1.7E-08	7.8E-08
428	BKGN	259840	4022693.14	259840, 402269	5.79809	1.37E-03	1.37E-03	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	9.0E-08
429	BKGN	259898.64	4022693.14	259898.64, 402	6.07897	1.44E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.4E-08
430	BKGN	259957.28	4022693.14	259957.28, 402	5.97983	1.42E-03	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.3E-08
431	BKGN	260015.92	4022693.14	260015.92, 402	5.92357	1.40E-03	1.40E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
432	BKGN	260074.56	4022693.14	260074.56, 402	5.32367	1.26E-03	1.26E-03	4.4E-07	1.3E-06	7.6E-07	6.9E-07	3.2E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
433	BKGN	260133.2	4022693.14	260133.2, 4022	4.51074	1.07E-03	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.0E-08
434	BKGN	260191.84	4022693.14	260191.84, 402	3.91974	9.28E-04	9.28E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
435	BKGN	260250.48	4022693.14	260250.48, 402	3.51294	8.32E-04	8.32E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.9E-09	1.2E-08	5.4E-08
436	BKGN	260309.12	4022693.14	260309.12, 402	3.14466	7.44E-04	7.44E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	1.0E-08	4.9E-08
437	BKGN	260367.76	4022693.14	260367.76, 402	2.78221	6.59E-04	6.59E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
438	BKGN	260426.4	4022693.14	260426.4, 4022	2.41252	5.71E-04	5.71E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.0E-10	1.4E-08	7.5E-09	6.8E-09	8.0E-09	3.7E-08
439	BKGN	260485.04	4022693.14	260485.04, 402	2.09082	4.95E-04	4.95E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.5E-09	5.9E-09	6.9E-09	3.2E-08
440	BKGN	260543.68	4022693.14	260543.68, 402	1.84184	4.36E-04	4.36E-04	1.5E-07	4.6E-07	2.6E-07	2.4E-07	1.1E-07	4.6E-10	1.1E-08	5.7E-09	5.2E-09	6.1E-09	2.9E-08
441	BKGN	260602.32	4022693.14	260602.32, 402	1.65224	3.91E-04	3.91E-04	1.4E-07	4.1E-07	2.4E-07	2.1E-07	9.8E-08	4.1E-10	9.9E-09	5.1E-09	4.6E-09	5.5E-09	2.6E-08
442	R_1	259632.9	4022073.46	259632.9, 4022	4.58885	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
443	R_2	259632.9	4022093.46	259632.9, 4022	4.97692	1.18E-03	1.18E-03	4.1E-07	1.2E-06	7.1E-07	6.5E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.7E-08	7.7E-08
444	R_3	259632.9	4022113.46	259632.9, 4022	5.37838	1.27E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	1.8E-08	8.3E-08
445	R_4	259632.9	4022133.46	259632.9, 4022	5.77246	1.37E-03	1.37E-03	4.7E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
446	R_5	259632.9	4022153.46	259632.9, 4022	6.13231	1.45E-03	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.5E-08
447	R_6	259632.9	4022173.46	259632.9, 4022	6.43227	1.52E-03	1.52E-03	5.3E-07	1.6E-06	9.2E-07	8.4E-07	3.8E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.1E-08	1.0E-07
448	R_7	259632.9	4022193.46	259632.9, 4022	6.65998	1.58E-03	1.58E-03	5.5E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
449	R_8	259632.9	4022213.46	259632.9, 4022	6.82633	1.62E-03	1.62E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
450	R_9	259632.9	4022233.46	259632.9, 4022	6.96485	1.65E-03	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.0E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
451	R_10	259652.9	4022073.46	259652.9, 4022	4.76997	1.13E-03	1.13E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
452	R_11	259652.9	4022093.46	259652.9, 4022	5.20565	1.23E-03	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.1E-08
453	R_12	259652.9	4022113.46	259652.9, 4022	5.66816	1.34E-03	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
454	R_13	259652.9	4022133.46	259652.9, 4022	6.13784	1.45E-03	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.5E-08
455	R_14	259652.9	4022153.46	259652.9, 4022	6.58567	1.56E-03	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.6E-09	4.0E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
456	R_15	259652.9	4022173.46	259652.9, 4022	6.97615	1.65E-03	1.65E-03	5.7E-07	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.7E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
457	R_16	259652.9	4022193.46	259652.9, 4022	7.28346	1.72E-03	1.72E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.0E-08	2.4E-08	1.1E-07
458	R_17	259652.9	4022213.46	259652.9, 4022	7.5084	1.78E-03	1.78E-03	6.2E-07	1.9E-06	1.1E-06	9.7E-07	4.4E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
459	R_18	259652.9	4022233.46	259652.9, 4022	7.68327	1.82E-03	1.82E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.6E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
460	R_19	259672.9	4022073.46	259672.9, 4022	4.95718	1.17E-03	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.7E-08
461	R_20	259672.9	4022093.46	259672.9, 4022	5.43944	1.29E-03	1.29E-03	4.5E-07	1.3E-06	7.8E-07	7.1E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
462	R_21	259672.9	4022113.46	259672.9, 4022	5.9646	1.41E-03	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
463	R_22	259672.9	4022133.46	259672.9, 4022	6.51655	1.54E-03	1.54E-03	5.3E-07	1.6E-06	9.3E-07	8.5E-07	3.9E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
464	R_23	259672.9	4022153.46	259672.9, 4022	7.0658	1.67E-03	1.67E-03	5.8E-07	1.7E-06	1.0E-06	9.2E-07	4.2E-07	1.8E-09	4.2E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
465	R_24	259672.9	4022173.46	259672.9, 4022	7.56843	1.79E-03	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
466	R_25	259672.9	4022193.46	259672.9, 4022	7.98281	1.89E-03	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	2.7E-08	1.2E-07
467	R_26	259672.9	4022213.46	259672.9, 4022	8.29241	1.96E-03	1.96E-03	6.8E-07	2.1E-06	1.2E-06	1.1E-06	4.9E-07	2.1E-09	5.0E-08	2.6E-08	2.3E-08	2.8E-08	1.3E-07
468	R_27	259672.9	4022233.46	259672.9, 4022	8.52298	2.02E-03	2.02E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
469	R_28	259692.9	4022073.46	259692.9, 4022	5.15384	1.22E-03	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	1.7E-08	8.0E-08
470	R_29	259692.9	4022093.46	259692.9, 4022	5.67944	1.34E-03	1.34E-03	4.7E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
471	R_30	259692.9	4022113.46	259692.9, 4022	6.26705	1.48E-03	1.48E-03	5.1E-07	1.6E-06	9.0E-07	8.1E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
472	R_31	259692.9	4022133.46	259692.9, 4022	6.90614	1.63E-03	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
473	R_32	259692.9	4022153.46	259692.9, 4022	7.56936	1.79E-03	1.79E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
474	R_33	259692.9	4022173.46	259692.9, 4022	8.20826	1.94E-03	1.94E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.9E-07	2.0E-09	4.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07
475	R_34	259692.9	4022193.46	259692.9, 4022	8.76347	2.07E-03	2.07E-03	7.2E-07	2.2E-06	1.3E-06	1.1E-06	5.2E-07	2.2E-09	5.3E-08	2.7E-08	2.5E-08	2.9E-08	1.4E-07
476	R_35	259692.9	4022213.46	259692.9, 4022	9.19405	2.18E-03	2.18E-03	7.5E-07	2.3E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.5E-08	2.8E-08	2.6E-08	3.1E-08	1.4E-07
477	R_36	259692.9	4022233.46	259692.9, 4022	9.50949	2.25E-03	2.25E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.6E-07	2.4E-09	5.7E-08	2.9E-08	2.7E-08	3.2E-08	1.5E-07
478	R_37	259712.9	4022073.46	259712.9, 4022	5.35787	1.27E-03	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.3E-09	3.2E-08	1.7E-08	1.5E-08	1.8E-08	8.3E-08
479	R_38	259712.9	4022093.46	259712.9, 4022	5.9264	1.40E-03	1.40E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
480	R_39	259712.9	4022113.46	259712.9, 4022	6.57675	1.56E-03	1.56E-03	5.4E-07	1.6E-06	9.4E-07	8.5E-07	3.9E-07	1.6E-09	4.0E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
481	R_40	259712.9	4022133.46	259712.9, 4022	7.30593	1.73E-03	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	1.8E-09	4.4E-08	2.3E-08	2.0E-08	2.4E-08	1.1E-07
482	R_41	259712.9	4022153.46	259712.9, 4022	8.09385	1.92E-03	1.92E-03	6.6E-07	2.0E-06	1.2E-06	1.1E-06	4.8E-07	2.0E-09	4.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07

483	R_42	259712.9	4022173.46	259712.9, 4022	8.89298	2.10E-03	2.10E-03	7.3E-07	2.2E-06	1.3E-06	1.2E-06	5.3E-07	2.2E-09	5.3E-08	2.8E-08	2.5E-08	3.0E-08	1.4E-07
484	R_43	259712.9	4022193.46	259712.9, 4022	9.62872	2.28E-03	2.28E-03	7.9E-07	2.4E-06	1.4E-06	1.3E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
485	R_44	259712.9	4022213.46	259712.9, 4022	10.22916	2.42E-03	2.42E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.5E-09	6.1E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
486	R_45	259712.9	4022233.46	259712.9, 4022	10.67362	2.53E-03	2.53E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.7E-09	6.4E-08	3.3E-08	3.0E-08	3.5E-08	1.7E-07
487	R_46	259732.9	4022073.46	259732.9, 4022(	5.57389	1.32E-03	1.32E-03	4.6E-07	1.4E-06	8.0E-07	7.2E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.6E-08	1.9E-08	8.6E-08
488	R_47	259732.9	4022093.46	259732.9, 4022(	6.18419	1.46E-03	1.46E-03	5.1E-07	1.5E-06	8.9E-07	8.0E-07	3.7E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.1E-08	9.6E-08
489	R_48	259732.9	4022113.46	259732.9, 4022	6.89639	1.63E-03	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
490	R_49	259732.9	4022133.46	259732.9, 4022	7.71614	1.83E-03	1.83E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	1.9E-09	4.6E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
491	R_50	259732.9	4022153.46	259732.9, 4022	8.63574	2.04E-03	2.04E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.1E-09	5.2E-08	2.7E-08	2.4E-08	2.9E-08	1.3E-07
492	R_51	259732.9	4022173.46	259732.9, 4022	9.61709	2.28E-03	2.28E-03	7.9E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	2.4E-09	5.8E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
493	R_52	259732.9	4022193.46	259732.9, 4022	10.57848	2.50E-03	2.50E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.6E-09	6.4E-08	3.3E-08	3.0E-08	3.5E-08	1.6E-07
494	R_53	259732.9	4022213.46	259732.9, 4022	11.41257	2.70E-03	2.70E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	2.8E-09	6.9E-08	3.5E-08	3.2E-08	3.8E-08	1.8E-07
495	R_54	259732.9	4022233.46	259732.9, 4022	12.05161	2.85E-03	2.85E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.1E-07	3.0E-09	7.2E-08	3.7E-08	3.4E-08	4.0E-08	1.9E-07
496	R_55	259752.9	4022073.46	259752.9, 4022(	5.81155	1.38E-03	1.38E-03	4.8E-07	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.4E-09	3.5E-08	1.8E-08	1.6E-08	1.9E-08	9.0E-08
497	R_56	259752.9	4022093.46	259752.9, 4022(	6.46042	1.53E-03	1.53E-03	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.8E-07	1.6E-09	3.9E-08	2.0E-08	1.8E-08	2.1E-08	1.0E-07
498	R_57	259772.9	4022073.46	259772.9, 4022(	6.08016	1.44E-03	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	1.5E-09	3.7E-08	1.9E-08	1.7E-08	2.0E-08	9.4E-08
499	R_58	259772.9	4022093.46	259772.9, 4022(	6.76612	1.60E-03	1.60E-03	5.5E-07	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.7E-09	4.1E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
500	R_59	259792.9	4022073.46	259792.9, 4022(	6.38853	1.51E-03	1.51E-03	5.2E-07	1.6E-06	9.1E-07	8.3E-07	3.8E-07	1.6E-09	3.8E-08	2.0E-08	1.8E-08	2.1E-08	9.9E-08
501	R_60	259792.9	4022093.46	259792.9, 4022(	7.11453	1.68E-03	1.68E-03	5.8E-07	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
502	R_61	259812.9	4022073.46	259812.9, 4022(	6.73816	1.59E-03	1.59E-03	5.5E-07	1.7E-06	9.7E-07	8.7E-07	4.0E-07	1.7E-09	4.0E-08	2.1E-08	1.9E-08	2.2E-08	1.0E-07
503	R_62	259812.9	4022093.46	259812.9, 4022(	7.51622	1.78E-03	1.78E-03	6.2E-07	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.9E-09	4.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
504	R_63	259832.9	4022073.46	259832.9, 4022(	7.11903	1.69E-03	1.69E-03	5.8E-07	1.8E-06	1.0E-06	9.2E-07	4.2E-07	1.8E-09	4.3E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
505	R_64	259832.9	4022093.46	259832.9, 4022(	7.97033	1.89E-03	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.0E-09	4.8E-08	2.5E-08	2.2E-08	2.6E-08	1.2E-07
506	S_1	259920.63	4022125.03	259920.63, 402	13.19848	3.12E-03	3.12E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	7.8E-07	3.3E-09	7.9E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
507	S_2	259920.63	4022145.03	259920.63, 402	15.62129	3.70E-03	3.70E-03	1.3E-06	3.9E-06	2.2E-06	2.0E-06	9.3E-07	3.9E-09	9.4E-08	4.8E-08	4.4E-08	5.2E-08	2.4E-07
508	S_3	259920.63	4022165.03	259920.63, 402	18.83062	4.46E-03	4.46E-03	1.5E-06	4.7E-06	2.7E-06	2.4E-06	1.1E-06	4.7E-09	1.1E-07	5.8E-08	5.3E-08	6.3E-08	2.9E-07
509	S_4	259940.63	4022105.03	259940.63, 402	12.32998	2.92E-03	2.92E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.3E-07	3.1E-09	7.4E-08	3.8E-08	3.5E-08	4.1E-08	1.9E-07
510	S_5	259940.63	4022125.03	259940.63, 402	14.43355	3.42E-03	3.42E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	3.6E-09	8.7E-08	4.5E-08	4.0E-08	4.8E-08	2.2E-07
511	S_6	259940.63	4022145.03	259940.63, 402	17.18037	4.07E-03	4.07E-03	1.4E-06	4.3E-06	2.5E-06	2.2E-06	1.0E-06	4.3E-09	1.0E-07	5.3E-08	4.8E-08	5.7E-08	2.7E-07
512	S_7	259940.63	4022165.03	259940.63, 402	20.87285	4.94E-03	4.94E-03	1.7E-06	5.2E-06	3.0E-06	2.7E-06	1.2E-06	5.2E-09	1.3E-07	6.5E-08	5.9E-08	6.9E-08	3.2E-07
513	S_8	259960.63	4022105.03	259960.63, 402	13.96328	3.31E-03	3.31E-03	1.1E-06	3.5E-06	2.0E-06	1.8E-06	8.3E-07	3.5E-09	8.4E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
514	S_9	259960.63	4022125.03	259960.63, 402	16.47065	3.90E-03	3.90E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	4.1E-09	9.9E-08	5.1E-08	4.6E-08	5.5E-08	2.5E-07
515	S_10	259960.63	4022145.03	259960.63, 402	19.77678	4.68E-03	4.68E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	4.9E-09	1.2E-07	6.1E-08	5.5E-08	6.6E-08	3.1E-07
516	S_11	259960.63	4022165.03	259960.63, 402	24.2759	5.75E-03	5.75E-03	2.0E-06	6.0E-06	3.5E-06	3.2E-06	1.4E-06	6.0E-09	1.5E-07	7.5E-08	6.8E-08	8.1E-08	3.8E-07
517	S_12	259980.63	4022105.03	259980.63, 402	16.41136	3.88E-03	3.88E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.7E-07	4.1E-09	9.9E-08	5.1E-08	4.6E-08	5.4E-08	2.5E-07
518	S_13	259980.63	4022125.03	259980.63, 402	19.65279	4.65E-03	4.65E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	4.9E-09	1.2E-07	6.1E-08	5.5E-08	6.5E-08	3.0E-07
519	S_14	259980.63	4022145.03	259980.63, 402	24.03198	5.69E-03	5.69E-03	2.0E-06	5.9E-06	3.4E-06	3.1E-06	1.4E-06	6.0E-09	1.4E-07	7.4E-08	6.7E-08	8.0E-08	3.7E-07
520	S_15	259980.63	4022165.03	259980.63, 402	30.17228	7.14E-03	7.14E-03	2.5E-06	7.5E-06	4.3E-06	3.9E-06	1.8E-06	7.5E-09	1.8E-07	9.3E-08	8.5E-08	1.0E-07	4.7E-07
521	S_16	260000.63	4022105.03	260000.63, 402	19.35399	4.58E-03	4.58E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.1E-06	4.8E-09	1.2E-07	6.0E-08	5.4E-08	6.4E-08	3.0E-07
522	S_17	260000.63	4022125.03	260000.63, 402	23.56664	5.58E-03	5.58E-03	1.9E-06	5.8E-06	3.4E-06	3.1E-06	1.4E-06	5.9E-09	1.4E-07	7.3E-08	6.6E-08	7.8E-08	3.6E-07
523	S_18	260000.63	4022145.03	260000.63, 402	29.42023	6.96E-03	6.96E-03	2.4E-06	7.3E-06	4.2E-06	3.8E-06	1.7E-06	7.3E-09	1.8E-07	9.1E-08	8.3E-08	9.8E-08	4.6E-07
524	S_19	260000.63	4022165.03	260000.63, 402	37.93015	8.98E-03	8.98E-03	3.1E-06	9.4E-06	5.4E-06	4.9E-06	2.2E-06	9.4E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
525	R_65	259550.34	4021844.01	259550.34, 402	1.87559	4.44E-04	4.44E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.7E-10	1.1E-08	5.8E-09	5.3E-09	6.2E-09	2.9E-08
526	R_66	259550.34	4021864.01	259550.34, 402	1.98085	4.69E-04	4.69E-04	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.6E-09	6.6E-09	3.1E-08
527	R_67	259550.34	4021884.01	259550.34, 402	2.09696	4.96E-04	4.96E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	5.2E-10	1.3E-08	6.5E-09	5.9E-09	7.0E-09	3.2E-08
528	R_68	259550.34	4021904.01	259550.34, 402	2.22525	5.27E-04	5.27E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.5E-10	1.3E-08	6.9E-09	6.2E-09	7.4E-09	3.4E-08
529	R_69	259550.34	4021924.01	259550.34, 402	2.36681	5.60E-04	5.60E-04	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.3E-09	6.6E-09	7.9E-09	3.7E-08
530	R_70	259550.34	4021944.01	259550.34, 402	2.52275	5.97E-04	5.97E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
531	R_71	259550.34	4021964.01	259550.34, 402	2.69336	6.38E-04	6.38E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.6E-09	8.9E-09	4.2E-08
532	R_72	259550.34	4021984.01	259550.34, 402	2.87865	6.81E-04	6.81E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.2E-10	1.7E-08	8.9E-09	8.1E-09	9.6E-09	4.5E-08
533	R_73	259550.34	4022004.01	259550.34, 402	3.07886	7.29E-04	7.29E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.8E-08	9.5E-09	8.6E-09	1.0E-08	4.8E-08
534	R_74	259550.34	4022024.01	259550.34, 402	3.29219	7.79E-04	7.79E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.1E-08
535	R_75	259570.34	4021844.01	259570.34, 402	1.91577	4.53E-04	4.53E-04	1.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.8E-10	1.2E-08	5.9E-09	5.4E-09	6.4E-09	3.0E-08
536	R_76	259570.34	4021864.01	259570.34, 402	2.02295	4.79E-04	4.79E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.0E-10	1.2E-08	6.3E-09	5.7E-09	6.7E-09	3.1E-08
537	R_77	259570.34	4021884.01	259570.34, 402	2.14159	5.07E-04	5.07E-04	1.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	7.1E-09	3.3E-08
538	R_78	259570.34	4021904.01	259570.34, 402	2.27326	5.38E-04	5.38E-04	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	5.7E-10	1.4E-08	7.0E-09	6.4E-09	7.5E-09	3.5E-08
539	R_79	259570.34	4021924.01	259570.34, 402	2.41946	5.73E-04	5.73E-04	2.0E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	6.0E-10	1.5E-08	7.5E-09	6.8E-09	8.0E-09	3.7E-08
540	R_80	259570.34	4021944.01	259570.34, 402	2.58159	6.11E-04	6.11E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.4E-10	1.6E-08	8.0E-09	7.2E-09	8.6E-09	4.0E-08
541	R_81	259570.34	4021964.01	259570.34, 402	2.76029	6.53E-04	6.53E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.5E-09	7.7E-09	9.2E-09	4.3E-08
542	R_82	259570.34	4021984.01	259570.34, 402	2.95621	7.00E-04	7.00E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	7.4E-10	1.8E-08	9.1E-09	8.3E-09	9.8E-09	4.6E-08
543	R_83	259570.34	4022004.01	259570.34, 402	3.17037	7.50E-04	7.50E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.8E-09	8.9E-09	1.1E-08	4.9E-08
544	R_84	259570.34	4022024.01	259570.34, 402	3.40141	8.05E-04	8.05E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.5E-10	2.0E-08	1.1E-08	9.5E-09	1.1E-08	5.3E-08
545	R_85	259590.34	4021844.01	259590.34, 402	1.96042	4.64E-04	4.64E-04	1.6E-07	4.9E-07	2.8E-07	2.5E-07	1.2E-07	4.9E-10	1.2E-08	6.1E-09	5.5E-09	6.5E-09	3.0E-08
546	R_86	259590.34	4021864.01	259590.34, 402	2.06936	4.90E-04	4.90E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.1E-10	1.2E-08	6.4E-09	5.8E-09	6.9E-09	3.2E-08
547	R_87	259590.34	4021884.01	259590.34, 402	2.19041	5.18E-04	5.18E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.8E-09	6.1E-09	7.3E-09	3.4E-08
548	R_88	259590.34	4021904.01	259590.34, 402	2.32515	5.50E-04	5.50E-04	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	7.7E-09	3.6E-08
549	R_89	259590.34	4021924.01	259590.34, 402	2.4754	5.86E-04	5.86E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	6.9E-09	8.2E-09	3.8E-08
550	R_90	259590.34	4021944.01	259590.34, 402	2.64293	6.26E-04	6.26E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.4E-09	8.8E-09	4.1E-08
551	R_91	259590.34	4021964.01	259590.34, 402	2.8291	6.70E-04	6.70E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.0E-10	1.7E-08	8.8E-09	7.9E-09	9.4E-09	4.4E-08
552	R_92	259590.34	4021984.01	259590.34, 402	3.03516	7.18E-04	7.18E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.4E-09	8.5E-09	1.0E-08	4.7E-08
553	R_93	259590.34	4022004.01	259590.34, 402	3.26277	7.72E-04	7.72E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.1E-09	1.1E-08	5.0E-08
554	R_94	259590.34	4022024.01	259590.34, 402	3.5114	8.31E-04	8.31E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
555	R_95	259610.34	4021844.01	259610.34, 402	2.01019	4.76E-04	4.76E-04	1.6E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.0E-10	1.2E-08	6.2E-09	5.6E-09	6.7E-09	3.1E-08
556	R_96	259610.34	4021864.01	259610.34, 402	2.12081	5.02E-04	5.02E-04	1.7E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	5.9E-09	7.0E-09	3.3E-08
557	R_97	259610.34	4021884.01	259610.34, 402	2.24399	5.31E-04	5.31E-04	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.3E-08	6.9E-09	6.3E-09	7.5E-09	3.5E-08
558	R_98	259610.34	4021904.01	259610.34, 402	2.38152	5.64E-04	5.64E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.4E-09	6.7E-09	7.9E-09	3.7E-08
559	R_99	259610.34	4021924.01	259610.34, 402	2.53535	6.00E-04	6.00E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
560	R_10(	259610.34	4021944.01	259610.34, 402	2.70776	6.41E-04	6.41E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.4E-09	7.6E-09	9.0E-09	4.2E-08
561	R_10:	259610.34	4021964.01	259610.34, 402	2.90071	6.87E-04	6.87E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.2E-10	1.7E-08	9.0E-09	8.1E-09	9.6E-09	4.5E-08
562	R_10:	259610.34	4021984.01	259610.34, 402	3.11638	7.38E-04	7.38E-04	2.6E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	7.8E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
563	R_10:	259610.34	4022004.01	259610.34, 402	3.35672	7.95E-04	7.95E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.4E-09	1.1E-08	5.2E-08
564	R_10‹	259610.34	4022024.01	259610.34, 402	3.62252	8.57E-04	8.57E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
565	R_10!	259630.34	4021844.01	259630.34, 402	2.06538	4.89E-04	4.89E-04	1.7E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	5.1E-10	1.2E-08	6.4E-09	5.8E-09	6.9E-09	3.2E-08
566	R_10(	259630.34	4021864.01	259630.34, 402	2.17808	5.16E-04	5.16E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.7E-09	6.1E-09	7.2E-09	3.4E-08
567	R_10:	259630.34	4021884.01	259630.34, 402	2.3034	5.45E-04	5.45E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	7.6E-09	3.6E-08
568	R_10!	259630.34	4021904.01	259630.34, 402	2.44346	5.78E-04	5.78E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	8.1E-09	3.8E-08
569	R_10!	259630.34	4021924.01	259630.34, 402	2.60065	6.16E-04	6.16E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.0E-09	7.3E-09	8.6E-09	4.0E-08
570	R_11(	259630.34	4021944.01	259630.34, 402	2.77746	6.57E-04	6.57E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
571	R_11:	259630.34	4021964.01	259630.34, 402	2.97663	7.05E-04	7.05E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.3E-09	9.9E-09	4.6E-08
572	R_11:	259630.34	4021984.01	259630.34, 402	3.201	7.58E-04	7.58E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	9.9E-09	9.0E-09	1.1E-08	5.0E-08
573	R_11:	259630.34	4022004.01	259630.34, 402	3.4533	8.17E-04	8.17E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.1E-08	5.3E-08
574	R_11‹	259630.34	4022024.01	259630.34, 402	3.73555	8.84E-04	8.84E-04	3.1E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.3E-10	2.2E-08	1.2E-08	1.0E-08	1.2E-08	5.8E-08
575	R_11!	259650.34	4021844.01	259650.34, 402	2.12599	5.03E-04	5.03E-04	1.7E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	5.3E-10	1.3E-08	6.6E-09	6.0E-09	7.1E-09	3.3E-08
576	R_11(	259650.34	4021864.01	259650.34, 402	2.24156	5.31E-04	5.31E-04	1.8E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.3E-08	6.9E-09	6.3E-09	7.4E-09	3.5E-08
577	R_11:	259650.34	4021884.01	259650.34, 402	2.36963	5.61E-04	5.61E-04	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.3E-09	6.6E-09	7.9E-09	3.7E-08
578	R_11!	259650.34	4021904.01	259650.34, 402	2.51251	5.95E-04	5.95E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.2E-10	1.5E-08	7.8E-09	7.0E-09	8.3E-09	3.9E-08
579	R_11!	259650.34	4021924.01	259650.34, 402	2.67294	6.33E-04	6.33E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	6.6E-10	1.6E-08	8.3E-09	7.5E-09	8.9E-09	4.1E-08
580	R_12(	259650.34	4021944.01	259650.34, 402	2.85394	6.76E-04	6.76E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	9.5E-09	4.4E-08
581	R_12:	259650.34	4021964.01	259650.34, 402	3.05874	7.24E-04	7.24E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.5E-09	8.6E-09	1.0E-08	4.7E-08
582	R_12:	259650.34	4021984.01	259650.34, 402	3.2909	7.79E-04	7.79E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	8.2E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.1E-08
583	R_12:	259650.34	4022004.01	259650.34, 402	3.55426	8.41E-04	8.41E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
584	R_12‹	259650.34	4022024.01	259650.34, 402	3.85185	9.12E-04	9.12E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
585	R_12!	259670.34	4021844.01	259670.34, 402	2.191	5.19E-04	5.19E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	5.4E-10	1.3E-08	6.8E-09	6.1E-09	7.3E-09	3.4E-08
586	R_12(	259670.34	4021864.01	259670.34, 402	2.31109	5.47E-04	5.47E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.7E-10	1.4E-08	7.1E-09	6.5E-09	7.7E-09	3.6E-08
587	R_12:	259670.34	4021884.01	259670.34, 402	2.44313	5.78E-04	5.78E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	8.1E-09	3.8E-08
588	R_12!	259670.34	4021904.01	259670.34, 402	2.58976	6.13E-04	6.13E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.4E-10	1.6E-08	8.0E-09	7.3E-09	8.6E-09	4.0E-08
589	R_12!	259670.34	4021924.01	259670.34, 402	2.75393	6.52E-04	6.52E-04	2.3E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	6.8E-10	1.7E-08	8.5E-09	7.7E-09	9.1E-09	4.3E-08
590	R_13(	259670.34	4021944.01	259670.34, 402	2.9391	6.96E-04	6.96E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.2E-09	9.8E-09	4.5E-08
591	R_13:	259670.34	4021964.01	259670.34, 402	3.14911	7.45E-04	7.45E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	1.0E-08	4.9E-08
592	R_13:	259670.34	4021984.01	259670.34, 402	3.38842	8.02E-04	8.02E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.5E-09	1.1E-08	5.2E-08
593	R_13:	259670.34	4022004.01	259670.34, 402	3.66167	8.67E-04	8.67E-04	3.0E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	9.1E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.7E-08
594	R_13‹	259670.34	4022024.01	259670.34, 402	3.97371	9.41E-04	9.41E-04	3.3E-07	9.8E-07	5.7E-07	5.2E-07	2.4E-07	9.9E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
595	R_13!	259690.34	4021844.01	259690.34, 402	2.25772	5.34E-04	5.34E-04	1.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.6E-10	1.4E-08	7.0E-09	6.3E-09	7.5E-09	3.5E-08
596	R_13(	259690.34	4021864.01	259690.34, 402	2.38474	5.64E-04	5.64E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.4E-09	6.7E-09	7.9E-09	3.7E-08
597	R_13:	259690.34	4021884.01	259690.34, 402	2.52304	5.97E-04	5.97E-04	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
598	R_13!	259690.34	4021904.01	259690.34, 402	2.6753	6.33E-04	6.33E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.5E-09	8.9E-09	4.1E-08
599	R_13!	259690.34	4021924.01	259690.34, 402	2.84463	6.73E-04	6.73E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	9.4E-09	4.4E-08
600	R_14(	259690.34	4021944.01	259690.34, 402	3.03484	7.18E-04	7.18E-04	2.5E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.4E-09	8.5E-09	1.0E-08	4.7E-08
601	R_14:	259690.34	4021964.01	259690.34, 402	3.25032	7.69E-04	7.69E-04	2.7E-07	8.0E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.1E-09	1.1E-08	5.0E-08
602	R_14:	259690.34	4021984.01	259690.34, 402	3.49637	8.28E-04	8.28E-04	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
603	R_14:	259690.34	4022004.01	259690.34, 402	3.77879	8.94E-04	8.94E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.8E-08
604	R_14‹	259690.34	4022024.01	259690.34, 402	4.10382	9.71E-04	9.71E-04	3.4E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
605	R_14!	259710.34	4021844.01	259710.34, 402	2.32308	5.50E-04	5.50E-04	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.8E-10	1.4E-08	7.2E-09	6.5E-09	7.7E-09	3.6E-08

606	R_14(	259710.34	4021864.01	259710.34, 402	2.45907	5.82E-04	5.82E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	8.2E-09	3.8E-08
607	R_14:	259710.34	4021884.01	259710.34, 402	2.60644	6.17E-04	6.17E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.1E-09	7.3E-09	8.7E-09	4.0E-08
608	R_14!	259710.34	4021904.01	259710.34, 402	2.76724	6.55E-04	6.55E-04	2.3E-07	6.8E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
609	R_14!	259710.34	4021924.01	259710.34, 402	2.94448	6.97E-04	6.97E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.1E-09	8.3E-09	9.8E-09	4.6E-08
610	R_15(	259710.34	4021944.01	259710.34, 402	3.14191	7.44E-04	7.44E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	1.0E-08	4.9E-08
611	R_15:	259710.34	4021964.01	259710.34, 402	3.3645	7.96E-04	7.96E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	1.1E-08	5.2E-08
612	R_15;	259710.34	4021984.01	259710.34, 402	3.61793	8.56E-04	8.56E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
613	R_15:	259710.34	4022004.01	259710.34, 402	3.9093	9.25E-04	9.25E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
614	R_15‹	259710.34	4022024.01	259710.34, 402	4.24631	1.01E-03	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
615	R_15!	259730.34	4021844.01	259730.34, 402	2.38512	5.65E-04	5.65E-04	2.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.9E-10	1.4E-08	7.4E-09	6.7E-09	7.9E-09	3.7E-08
616	R_15(	259730.34	4021864.01	259730.34, 402	2.53108	5.99E-04	5.99E-04	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.3E-10	1.5E-08	7.8E-09	7.1E-09	8.4E-09	3.9E-08
617	R_15:	259730.34	4021884.01	259730.34, 402	2.68942	6.37E-04	6.37E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.3E-09	7.5E-09	8.9E-09	4.2E-08
618	R_15!	259730.34	4021904.01	259730.34, 402	2.86184	6.77E-04	6.77E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.9E-09	8.0E-09	9.5E-09	4.4E-08
619	R_15!	259730.34	4021924.01	259730.34, 402	3.05059	7.22E-04	7.22E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.6E-09	1.0E-08	4.7E-08
620	R_16(	259730.34	4021944.01	259730.34, 402	3.25902	7.71E-04	7.71E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.1E-09	1.1E-08	5.0E-08
621	R_16:	259730.34	4021964.01	259730.34, 402	3.49192	8.27E-04	8.27E-04	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
622	R_16;	259730.34	4021984.01	259730.34, 402	3.75541	8.89E-04	8.89E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.3E-08	1.2E-08	1.1E-08	1.2E-08	5.8E-08
623	R_16:	259730.34	4022004.01	259730.34, 402	4.05699	9.60E-04	9.60E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.3E-08	6.3E-08
624	R_16‹	259730.34	4022024.01	259730.34, 402	4.40603	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
625	R_16!	259750.34	4021844.01	259750.34, 402	2.4436	5.78E-04	5.78E-04	2.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	6.1E-10	1.5E-08	7.6E-09	6.9E-09	8.1E-09	3.8E-08
626	R_16(	259750.34	4021864.01	259750.34, 402	2.59931	6.15E-04	6.15E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	6.5E-10	1.6E-08	8.0E-09	7.3E-09	8.6E-09	4.0E-08
627	R_16:	259750.34	4021884.01	259750.34, 402	2.76918	6.55E-04	6.55E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.9E-10	1.7E-08	8.6E-09	7.8E-09	9.2E-09	4.3E-08
628	R_16!	259750.34	4021904.01	259750.34, 402	2.95478	6.99E-04	6.99E-04	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.8E-07	7.3E-10	1.8E-08	9.1E-09	8.3E-09	9.8E-09	4.6E-08
629	R_16!	259750.34	4021924.01	259750.34, 402	3.15809	7.48E-04	7.48E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.8E-09	8.9E-09	1.0E-08	4.9E-08
630	R_17(	259750.34	4021944.01	259750.34, 402	3.38191	8.00E-04	8.00E-04	2.8E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.5E-09	1.1E-08	5.2E-08
631	R_17:	259750.34	4021964.01	259750.34, 402	3.63	8.59E-04	8.59E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
632	R_17;	259750.34	4021984.01	259750.34, 402	3.90814	9.25E-04	9.25E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
633	R_17:	259750.34	4022004.01	259750.34, 402	4.22408	1.00E-03	1.00E-03	3.5E-07	1.0E-06	6.0E-07	5.5E-07	2.5E-07	1.1E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.5E-08
634	R_17‹	259750.34	4022024.01	259750.34, 402	4.5878	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
635	R_17!	259770.34	4021844.01	259770.34, 402	2.50142	5.92E-04	5.92E-04	2.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	6.2E-10	1.5E-08	7.7E-09	7.0E-09	8.3E-09	3.9E-08
636	R_17(	259770.34	4021864.01	259770.34, 402	2.665	6.31E-04	6.31E-04	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	6.6E-10	1.6E-08	8.2E-09	7.5E-09	8.8E-09	4.1E-08
637	R_17:	259770.34	4021884.01	259770.34, 402	2.84529	6.73E-04	6.73E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	7.1E-10	1.7E-08	8.8E-09	8.0E-09	9.4E-09	4.4E-08
638	R_17!	259770.34	4021904.01	259770.34, 402	3.04398	7.21E-04	7.21E-04	2.5E-07	7.5E-07	4.4E-07	4.0E-07	1.8E-07	7.6E-10	1.8E-08	9.4E-09	8.5E-09	1.0E-08	4.7E-08
639	R_17!	259770.34	4021924.01	259770.34, 402	3.26296	7.72E-04	7.72E-04	2.7E-07	8.1E-07	4.7E-07	4.2E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.0E-08
640	R_18(	259770.34	4021944.01	259770.34, 402	3.50472	8.30E-04	8.30E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
641	R_18:	259770.34	4021964.01	259770.34, 402	3.77286	8.93E-04	8.93E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.8E-08
642	R_18;	259770.34	4021984.01	259770.34, 402	4.07184	9.64E-04	9.64E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
643	R_18:	259770.34	4022004.01	259770.34, 402	4.40873	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
644	R_18‹	259770.34	4022024.01	259770.34, 402	4.79311	1.13E-03	1.13E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
645	R_18!	259790.34	4021844.01	259790.34, 402	2.56294	6.07E-04	6.07E-04	2.1E-07	6.3E-07	3.7E-07	3.3E-07	1.5E-07	6.4E-10	1.5E-08	7.9E-09	7.2E-09	8.5E-09	4.0E-08
646	R_18(	259790.34	4021864.01	259790.34, 402	2.73288	6.47E-04	6.47E-04	2.2E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	6.8E-10	1.6E-08	8.5E-09	7.7E-09	9.1E-09	4.2E-08
647	R_18:	259790.34	4021884.01	259790.34, 402	2.92148	6.92E-04	6.92E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	7.3E-10	1.8E-08	9.0E-09	8.2E-09	9.7E-09	4.5E-08
648	R_18!	259790.34	4021904.01	259790.34, 402	3.13111	7.41E-04	7.41E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-10	1.9E-08	9.7E-09	8.8E-09	1.0E-08	4.8E-08
649	R_18!	259790.34	4021924.01	259790.34, 402	3.36444	7.96E-04	7.96E-04	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	8.4E-10	2.0E-08	1.0E-08	9.4E-09	1.1E-08	5.2E-08
650	R_19(	259790.34	4021944.01	259790.34, 402	3.62443	8.58E-04	8.58E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	9.0E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.6E-08
651	R_19:	259790.34	4021964.01	259790.34, 402	3.91447	9.27E-04	9.27E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	9.7E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.1E-08
652	R_19;	259790.34	4021984.01	259790.34, 402	4.23904	1.00E-03	1.00E-03	3.5E-07	1.0E-06	6.1E-07	5.5E-07	2.5E-07	1.1E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.6E-08
653	R_19:	259790.34	4022004.01	259790.34, 402	4.60403	1.09E-03	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.1E-09	2.8E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
654	R_19‹	259790.34	4022024.01	259790.34, 402	5.01822	1.19E-03	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.2E-09	3.0E-08	1.6E-08	1.4E-08	1.7E-08	7.8E-08
655	R_19!	259810.34	4021844.01	259810.34, 402	2.63217	6.23E-04	6.23E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.5E-10	1.6E-08	8.1E-09	7.4E-09	8.7E-09	4.1E-08
656	R_19(	259810.34	4021864.01	259810.34, 402	2.80771	6.65E-04	6.65E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.7E-09	7.9E-09	9.3E-09	4.3E-08
657	R_19:	259810.34	4021884.01	259810.34, 402	3.0032	7.11E-04	7.11E-04	2.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.5E-10	1.8E-08	9.3E-09	8.4E-09	1.0E-08	4.6E-08
658	R_19!	259810.34	4021904.01	259810.34, 402	3.22187	7.63E-04	7.63E-04	2.6E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	1.0E-08	9.0E-09	1.1E-08	5.0E-08
659	R_19!	259810.34	4021924.01	259810.34, 402	3.46712	8.21E-04	8.21E-04	2.8E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.6E-10	2.1E-08	1.1E-08	9.7E-09	1.2E-08	5.4E-08
660	R_20(	259810.34	4021944.01	259810.34, 402	3.74295	8.86E-04	8.86E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.2E-08	1.2E-08	1.0E-08	1.2E-08	5.8E-08
661	R_20:	259810.34	4021964.01	259810.34, 402	4.05365	9.59E-04	9.59E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.3E-08	6.3E-08
662	R_20;	259810.34	4021984.01	259810.34, 402	4.4045	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
663	R_20:	259810.34	4022004.01	259810.34, 402	4.80176	1.14E-03	1.14E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
664	R_20‹	259810.34	4022024.01	259810.34, 402	5.25362	1.24E-03	1.24E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.2E-08	1.6E-08	1.5E-08	1.7E-08	8.1E-08
665	R_20!	259830.34	4021844.01	259830.34, 402	2.70981	6.41E-04	6.41E-04	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	6.7E-10	1.6E-08	8.4E-09	7.6E-09	9.0E-09	4.2E-08
666	R_20(	259830.34	4021864.01	259830.34, 402	2.89192	6.85E-04	6.85E-04	2.4E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	7.2E-10	1.7E-08	8.9E-09	8.1E-09	9.6E-09	4.5E-08
667	R_20:	259830.34	4021884.01	259830.34, 402	3.09497	7.33E-04	7.33E-04	2.5E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
668	R_20!	259830.34	4021904.01	259830.34, 402	3.32251	7.86E-04	7.86E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
669	R_20!	259830.34	4021924.01	259830.34, 402	3.57845	8.47E-04	8.47E-04	2.9E-07	8.9E-07	5.1E-07	4.6E-07	2.1E-07	8.9E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
670	R_21(	259830.34	4021944.01	259830.34, 402	3.86774	9.15E-04	9.15E-04	3.2E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
671	R_21:	259830.34	4021964.01	259830.34, 402	4.1962	9.93E-04	9.93E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.5E-08
672	R_21;	259830.34	4021984.01	259830.34, 402	4.57079	1.08E-03	1.08E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.1E-08
673	R_21:	259830.34	4022004.01	259830.34, 402	4.9994	1.18E-03	1.18E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.7E-08	7.7E-08
674	R_21‹	259830.34	4022024.01	259830.34, 402	5.49154	1.30E-03	1.30E-03	4.5E-07	1.4E-06	7.9E-07	7.1E-07	3.3E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.5E-08
675	R_21!	259850.34	4021844.01	259850.34, 402	2.7944	6.61E-04	6.61E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.0E-10	1.7E-08	8.6E-09	7.8E-09	9.3E-09	4.3E-08
676	R_21(	259850.34	4021864.01	259850.34, 402	2.98474	7.06E-04	7.06E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.4E-09	9.9E-09	4.6E-08
677	R_21:	259850.34	4021884.01	259850.34, 402	3.19701	7.57E-04	7.57E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	8.0E-10	1.9E-08	9.9E-09	9.0E-09	1.1E-08	4.9E-08
678	R_21!	259850.34	4021904.01	259850.34, 402	3.43477	8.13E-04	8.13E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	1.1E-08	5.3E-08
679	R_21!	259850.34	4021924.01	259850.34, 402	3.7026	8.76E-04	8.76E-04	3.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.7E-08
680	R_22(	259850.34	4021944.01	259850.34, 402	4.006	9.48E-04	9.48E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.0E-09	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.2E-08
681	R_22:	259850.34	4021964.01	259850.34, 402	4.35162	1.03E-03	1.03E-03	3.6E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
682	R_22;	259850.34	4021984.01	259850.34, 402	4.74768	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
683	R_22:	259850.34	4022004.01	259850.34, 402	5.20454	1.23E-03	1.23E-03	4.3E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.1E-08
684	R_22‹	259850.34	4022024.01	259850.34, 402	5.7345	1.36E-03	1.36E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
685	R_22!	259870.34	4021844.01	259870.34, 402	2.88407	6.83E-04	6.83E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	7.2E-10	1.7E-08	8.9E-09	8.1E-09	9.6E-09	4.5E-08
686	R_22(	259870.34	4021864.01	259870.34, 402	3.08385	7.30E-04	7.30E-04	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.5E-09	8.6E-09	1.0E-08	4.8E-08
687	R_22:	259870.34	4021884.01	259870.34, 402	3.3069	7.83E-04	7.83E-04	2.7E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	8.2E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
688	R_22!	259870.34	4021904.01	259870.34, 402	3.55713	8.42E-04	8.42E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.8E-10	2.1E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
689	R_22!	259870.34	4021924.01	259870.34, 402	3.83935	9.09E-04	9.09E-04	3.1E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.5E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.9E-08
690	R_23(	259870.34	4021944.01	259870.34, 402	4.15932	9.85E-04	9.85E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
691	R_23:	259870.34	4021964.01	259870.34, 402	4.52438	1.07E-03	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.0E-08
692	R_23;	259870.34	4021984.01	259870.34, 402	4.9439	1.17E-03	1.17E-03	4.1E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.7E-08
693	R_23:	259870.34	4022004.01	259870.34, 402	5.4294	1.29E-03	1.29E-03	4.4E-07	1.3E-06	7.8E-07	7.0E-07	3.2E-07	1.4E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
694	R_23‹	259870.34	4022024.01	259870.34, 402	5.99576	1.42E-03	1.42E-03	4.9E-07	1.5E-06	8.6E-07	7.8E-07	3.6E-07	1.5E-09	3.6E-08	1.9E-08	1.7E-08	2.0E-08	9.3E-08
695	R_23!	259890.34	4021844.01	259890.34, 402	2.98362	7.06E-04	7.06E-04	2.4E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.4E-10	1.8E-08	9.2E-09	8.4E-09	9.9E-09	4.6E-08
696	R_23(	259890.34	4021864.01	259890.34, 402	3.19323	7.56E-04	7.56E-04	2.6E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	7.9E-10	1.9E-08	9.9E-09	9.0E-09	1.1E-08	4.9E-08
697	R_23:	259890.34	4021884.01	259890.34, 402	3.42778	8.11E-04	8.11E-04	2.8E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.5E-10	2.1E-08	1.1E-08	9.6E-09	1.1E-08	5.3E-08
698	R_23!	259890.34	4021904.01	259890.34, 402	3.69151	8.74E-04	8.74E-04	3.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	9.2E-10	2.2E-08	1.1E-08	1.0E-08	1.2E-08	5.7E-08
699	R_23!	259890.34	4021924.01	259890.34, 402	3.98939	9.44E-04	9.44E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	9.9E-10	2.4E-08	1.2E-08	1.1E-08	1.3E-08	6.2E-08
700	R_24(	259890.34	4021944.01	259890.34, 402	4.32794	1.02E-03	1.02E-03	3.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	1.1E-09	2.6E-08	1.3E-08	1.2E-08	1.4E-08	6.7E-08
701	R_24:	259890.34	4021964.01	259890.34, 402	4.71522	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.1E-07	2.8E-07	1.2E-09	2.8E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
702	R_24;	259890.34	4021984.01	259890.34, 402	5.16135	1.22E-03	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.4E-08	1.7E-08	8.0E-08
703	R_24:	259890.34	4022004.01	259890.34, 402	5.67908	1.34E-03	1.34E-03	4.7E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
704	R_24‹	259890.34	4022024.01	259890.34, 402	6.2854	1.49E-03	1.49E-03	5.2E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
705	R_24!	259910.34	4021844.01	259910.34, 402	3.10738	7.36E-04	7.36E-04	2.5E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	7.7E-10	1.9E-08	9.6E-09	8.7E-09	1.0E-08	4.8E-08
706	R_24(	259910.34	4021864.01	259910.34, 402	3.32782	7.88E-04	7.88E-04	2.7E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.3E-10	2.0E-08	1.0E-08	9.3E-09	1.1E-08	5.1E-08
707	R_24:	259910.34	4021884.01	259910.34, 402	3.5747	8.46E-04	8.46E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	8.9E-10	2.1E-08	1.1E-08	1.0E-08	1.2E-08	5.5E-08
708	R_24!	259910.34	4021904.01	259910.34, 402	3.85279	9.12E-04	9.12E-04	3.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	9.6E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	6.0E-08
709	R_24!	259910.34	4021924.01	259910.34, 402	4.16753	9.86E-04	9.86E-04	3.4E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.0E-09	2.5E-08	1.3E-08	1.2E-08	1.4E-08	6.4E-08
710	R_25(	259910.34	4021944.01	259910.34, 402	4.5262	1.07E-03	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.1E-09	2.7E-08	1.4E-08	1.3E-08	1.5E-08	7.0E-08
711	R_25:	259910.34	4021964.01	259910.34, 402	4.9375	1.17E-03	1.17E-03	4.0E-07	1.2E-06	7.1E-07	6.4E-07	2.9E-07	1.2E-09	3.0E-08	1.5E-08	1.4E-08	1.6E-08	7.6E-08
712	R_25;	259910.34	4021984.01	259910.34, 402	5.41268	1.28E-03	1.28E-03	4.4E-07	1.3E-06	7.8E-07	7.0E-07	3.2E-07	1.3E-09	3.3E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
713	R_25:	259910.34	4022004.01	259910.34, 402	5.96623	1.41E-03	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.5E-09	3.6E-08	1.8E-08	1.7E-08	2.0E-08	9.2E-08
714	R_25‹	259910.34	4022024.01	259910.34, 402	6.61683	1.57E-03	1.57E-03	5.4E-07	1.6E-06	9.5E-07	8.6E-07	3.9E-07	1.6E-09	4.0E-08	2.0E-08	1.9E-08	2.2E-08	1.0E-07
715	R_25!	259930.34	4021844.01	259930.34, 402	3.27415	7.75E-04	7.75E-04	2.7E-07	8.1E-07	4.7E-07	4.3E-07	1.9E-07	8.1E-10	2.0E-08	1.0E-08	9.2E-09	1.1E-08	5.1E-08
716	R_25(	259930.34	4021864.01	259930.34, 402	3.50948	8.31E-04	8.31E-04	2.9E-07	8.7E-07	5.0E-07	4.6E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
717	R_25:	259930.34	4021884.01	259930.34, 402	3.77349	8.93E-04	8.93E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.8E-08
718	R_25!	259930.34	4021904.01	259930.34, 402	4.07113	9.64E-04	9.64E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
719	R_25!	259930.34	4021924.01	259930.34, 402	4.4084	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
720	R_26(	259930.34	4021944.01	259930.34, 402	4.7931	1.13E-03	1.13E-03	3.9E-07	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
721	R_26:	259950.34	4021844.01	259950.34, 402	3.49583	8.27E-04	8.27E-04	2.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	8.7E-10	2.1E-08	1.1E-08	9.8E-09	1.2E-08	5.4E-08
722	R_26;	259950.34	4021864.01	259950.34, 402	3.75417	8.89E-04	8.89E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.3E-10	2.3E-08	1.2E-08	1.1E-08	1.2E-08	5.8E-08
723	R_26:	259950.34	4021884.01	259950.34, 402	4.0445	9.57E-04	9.57E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.3E-08	6.3E-08
724	R_26‹	259950.34	4021904.01	259950.34, 402	4.37257	1.03E-03	1.03E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
725	R_26!	259950.34	4021924.01	259950.34, 402	4.7452	1.12E-03	1.12E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.3E-08
726	R_26(	259950.34	4021944.01	259950.34, 402	5.17134	1.22E-03	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.0E-08
727	R_26:	259970.34	4021844.01	259970.34, 402	3.76774	8.92E-04	8.92E-04	3.1E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-10	2.3E-08	1.2E-08	1.1E-08	1.3E-08	5.8E-08
728	R_26!	259970.34	4021864.01	259970.34, 402	4.05809	9.61E-04	9.61E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.3E-08	6.3E-08

729	R_26	259970.34	4021884.01	259970.34, 402	4.3856	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
730	R_27	259970.34	4021904.01	259970.34, 402	4.75713	1.13E-03	1.13E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
731	R_27	259970.34	4021924.01	259970.34, 402	5.18146	1.23E-03	1.23E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.0E-08
732	R_27	259970.34	4021944.01	259970.34, 402	5.66946	1.34E-03	1.34E-03	4.6E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
733	R_27	259990.34	4021844.01	259990.34, 402	4.06845	9.63E-04	9.63E-04	3.3E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.0E-09	2.4E-08	1.3E-08	1.1E-08	1.4E-08	6.3E-08
734	R_27	259990.34	4021864.01	259990.34, 402	4.39657	1.04E-03	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.1E-09	2.6E-08	1.4E-08	1.2E-08	1.5E-08	6.8E-08
735	R_27	259990.34	4021884.01	259990.34, 402	4.7687	1.13E-03	1.13E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.2E-09	2.9E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
736	R_27	259990.34	4021904.01	259990.34, 402	5.19287	1.23E-03	1.23E-03	4.3E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-09	3.1E-08	1.6E-08	1.5E-08	1.7E-08	8.0E-08
737	R_27	259990.34	4021924.01	259990.34, 402	5.68084	1.34E-03	1.34E-03	4.7E-07	1.4E-06	8.1E-07	7.4E-07	3.4E-07	1.4E-09	3.4E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
738	R_27	259990.34	4021944.01	259990.34, 402	6.24614	1.48E-03	1.48E-03	5.1E-07	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.6E-09	3.8E-08	1.9E-08	1.8E-08	2.1E-08	9.7E-08
739	R_27	260122.8	4022046.18	260122.8, 4022	26.65823	6.31E-03	6.31E-03	2.2E-06	6.6E-06	3.8E-06	3.5E-06	1.6E-06	6.6E-09	1.6E-07	8.2E-08	7.5E-08	8.9E-08	4.1E-07
740	R_28	260142.8	4022066.18	260142.8, 4022	34.8399	8.25E-03	8.25E-03	2.9E-06	8.6E-06	5.0E-06	4.5E-06	2.1E-06	8.7E-09	2.1E-07	1.1E-07	9.8E-08	1.2E-07	5.4E-07
741	R_28	260142.8	4022086.18	260142.8, 4022	40.99523	9.70E-03	9.70E-03	3.4E-06	1.0E-05	5.9E-06	5.3E-06	2.4E-06	1.0E-08	2.5E-07	1.3E-07	1.1E-07	1.4E-07	6.3E-07
742	R_28	260142.8	4022106.18	260142.8, 4022	47.48749	1.12E-02	1.12E-02	3.9E-06	1.2E-05	6.8E-06	6.2E-06	2.8E-06	1.2E-08	2.9E-07	1.5E-07	1.3E-07	1.6E-07	7.3E-07
743	R_28	260142.8	4022126.18	260142.8, 4022	53.66958	1.27E-02	1.27E-02	4.4E-06	1.3E-05	7.7E-06	7.0E-06	3.2E-06	1.3E-08	3.2E-07	1.7E-07	1.5E-07	1.8E-07	8.3E-07
744	R_28	260142.8	4022146.18	260142.8, 4022	58.60067	1.39E-02	1.39E-02	4.8E-06	1.4E-05	8.4E-06	7.6E-06	3.5E-06	1.5E-08	3.5E-07	1.8E-07	1.6E-07	1.9E-07	9.1E-07
745	R_28	260142.8	4022166.18	260142.8, 4022	61.20901	1.45E-02	1.45E-02	5.0E-06	1.5E-05	8.8E-06	7.9E-06	3.6E-06	1.5E-08	3.7E-07	1.9E-07	1.7E-07	2.0E-07	9.5E-07
746	R_28	260162.8	4022066.18	260162.8, 4022	35.6857	8.45E-03	8.45E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	8.9E-09	2.1E-07	1.1E-07	1.0E-07	1.2E-07	5.5E-07
747	R_28	260162.8	4022086.18	260162.8, 4022	40.45994	9.58E-03	9.58E-03	3.3E-06	1.0E-05	5.8E-06	5.3E-06	2.4E-06	1.0E-08	2.4E-07	1.3E-07	1.1E-07	1.3E-07	6.3E-07
748	R_28	260162.8	4022106.18	260162.8, 4022	44.84765	1.06E-02	1.06E-02	3.7E-06	1.1E-05	6.4E-06	5.8E-06	2.7E-06	1.1E-08	2.7E-07	1.4E-07	1.3E-07	1.5E-07	6.9E-07
749	R_28	260162.8	4022126.18	260162.8, 4022	48.23958	1.14E-02	1.14E-02	4.0E-06	1.2E-05	6.9E-06	6.3E-06	2.9E-06	1.2E-08	2.9E-07	1.5E-07	1.4E-07	1.6E-07	7.5E-07
750	R_29	260162.8	4022146.18	260162.8, 4022	50.00068	1.18E-02	1.18E-02	4.1E-06	1.2E-05	7.2E-06	6.5E-06	3.0E-06	1.2E-08	3.0E-07	1.5E-07	1.4E-07	1.7E-07	7.7E-07
751	R_29	260162.8	4022166.18	260162.8, 4022	49.67988	1.18E-02	1.18E-02	4.1E-06	1.2E-05	7.1E-06	6.4E-06	2.9E-06	1.2E-08	3.0E-07	1.5E-07	1.4E-07	1.6E-07	7.7E-07
752	R_29	260182.8	4022066.18	260182.8, 4022	34.87682	8.26E-03	8.26E-03	2.9E-06	8.6E-06	5.0E-06	4.5E-06	2.1E-06	8.7E-09	2.1E-07	1.1E-07	9.8E-08	1.2E-07	5.4E-07
753	R_29	260182.8	4022086.18	260182.8, 4022	38.08565	9.01E-03	9.01E-03	3.1E-06	9.4E-06	5.5E-06	4.9E-06	2.3E-06	9.5E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
754	R_29	260182.8	4022106.18	260182.8, 4022	40.52255	9.59E-03	9.59E-03	3.3E-06	1.0E-05	5.8E-06	5.3E-06	2.4E-06	1.0E-08	2.4E-07	1.3E-07	1.1E-07	1.3E-07	6.3E-07
755	R_29	260182.8	4022126.18	260182.8, 4022	41.78133	9.89E-03	9.89E-03	3.4E-06	1.0E-05	6.0E-06	5.4E-06	2.5E-06	1.0E-08	2.5E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
756	R_29	260182.8	4022146.18	260182.8, 4022	41.56414	9.84E-03	9.84E-03	3.4E-06	1.0E-05	6.0E-06	5.4E-06	2.5E-06	1.0E-08	2.5E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
757	R_29	260182.8	4022166.18	260182.8, 4022	39.85839	9.43E-03	9.43E-03	3.3E-06	9.9E-06	5.7E-06	5.2E-06	2.4E-06	9.9E-09	2.4E-07	1.2E-07	1.1E-07	1.3E-07	6.2E-07
758	R_29	260202.8	4022066.18	260202.8, 4022	32.78558	7.76E-03	7.76E-03	2.7E-06	8.1E-06	4.7E-06	4.3E-06	1.9E-06	8.2E-09	2.0E-07	1.0E-07	9.2E-08	1.1E-07	5.1E-07
759	R_29	260202.8	4022086.18	260202.8, 4022	34.54853	8.18E-03	8.18E-03	2.8E-06	8.5E-06	4.9E-06	4.5E-06	2.0E-06	8.6E-09	2.1E-07	1.1E-07	9.7E-08	1.1E-07	5.3E-07
760	R_30	260202.8	4022106.18	260202.8, 4022	35.45624	8.39E-03	8.39E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	8.8E-09	2.1E-07	1.1E-07	9.9E-08	1.2E-07	5.5E-07
761	R_30	260202.8	4022126.18	260202.8, 4022	35.31742	8.36E-03	8.36E-03	2.9E-06	8.7E-06	5.1E-06	4.6E-06	2.1E-06	8.8E-09	2.1E-07	1.1E-07	9.9E-08	1.2E-07	5.5E-07
762	R_30	260202.8	4022146.18	260202.8, 4022	34.10007	8.07E-03	8.07E-03	2.8E-06	8.4E-06	4.9E-06	4.4E-06	2.0E-06	8.5E-09	2.0E-07	1.1E-07	9.6E-08	1.1E-07	5.3E-07
763	R_30	260202.8	4022166.18	260202.8, 4022	31.98798	7.57E-03	7.57E-03	2.6E-06	7.9E-06	4.6E-06	4.2E-06	1.9E-06	8.0E-09	1.9E-07	9.9E-08	9.0E-08	1.1E-07	5.0E-07
764	W_1	260095.45	4022187.01	260095.45, 402	99.57342	2.36E-02	2.36E-02	8.2E-06	2.5E-05	1.4E-05	1.3E-05	5.9E-06	2.5E-08	6.0E-07	3.1E-07	2.8E-07	3.3E-07	1.5E-06
765	W_2	260095.45	4022207.01	260095.45, 402	109.83813	2.60E-02	2.60E-02	9.0E-06	2.7E-05	1.6E-05	1.4E-05	6.5E-06	2.7E-08	6.6E-07	3.4E-07	3.1E-07	3.6E-07	1.7E-06
766	W_3	260095.45	4022227.01	260095.45, 402	110.86723	2.62E-02	2.62E-02	9.1E-06	2.7E-05	1.6E-05	1.4E-05	6.6E-06	2.8E-08	6.7E-07	3.4E-07	3.1E-07	3.7E-07	1.7E-06
767	W_4	260095.45	4022247.01	260095.45, 402	101.65802	2.41E-02	2.41E-02	8.3E-06	2.5E-05	1.5E-05	1.3E-05	6.0E-06	2.5E-08	6.1E-07	3.1E-07	2.9E-07	3.4E-07	1.6E-06
768	W_5	260095.45	4022267.01	260095.45, 402	86.57072	2.05E-02	2.05E-02	7.1E-06	2.1E-05	1.2E-05	1.1E-05	5.1E-06	2.2E-08	5.2E-07	2.7E-07	2.4E-07	2.9E-07	1.3E-06
769	W_6	260115.45	4022187.01	260115.45, 402	83.44863	1.98E-02	1.98E-02	6.8E-06	2.1E-05	1.2E-05	1.1E-05	4.9E-06	2.1E-08	5.0E-07	2.6E-07	2.3E-07	2.8E-07	1.3E-06
770	W_7	260115.45	4022207.01	260115.45, 402	84.24507	1.99E-02	1.99E-02	6.9E-06	2.1E-05	1.2E-05	1.1E-05	5.0E-06	2.1E-08	5.1E-07	2.6E-07	2.4E-07	2.8E-07	1.3E-06
771	W_8	260115.45	4022227.01	260115.45, 402	78.94877	1.87E-02	1.87E-02	6.5E-06	2.0E-05	1.1E-05	1.0E-05	4.7E-06	2.0E-08	4.7E-07	2.4E-07	2.2E-07	2.6E-07	1.2E-06
772	W_9	260115.45	4022247.01	260115.45, 402	69.42879	1.64E-02	1.64E-02	5.7E-06	1.7E-05	9.9E-06	9.0E-06	4.1E-06	1.7E-08	4.2E-07	2.1E-07	1.9E-07	2.3E-07	1.1E-06
773	W_10	260115.45	4022267.01	260115.45, 402	59.16315	1.40E-02	1.40E-02	4.8E-06	1.5E-05	8.5E-06	7.7E-06	3.5E-06	1.5E-08	3.6E-07	1.8E-07	1.7E-07	2.0E-07	9.2E-07
774	W_11	260135.45	4022187.01	260135.45, 402	66.35896	1.57E-02	1.57E-02	5.4E-06	1.6E-05	9.5E-06	8.6E-06	3.9E-06	1.7E-08	4.0E-07	2.1E-07	1.9E-07	2.2E-07	1.0E-06
775	W_12	260135.45	4022207.01	260135.45, 402	63.11569	1.49E-02	1.49E-02	5.2E-06	1.6E-05	9.0E-06	8.2E-06	3.7E-06	1.6E-08	3.8E-07	2.0E-07	1.8E-07	2.1E-07	9.8E-07
776	W_13	260135.45	4022227.01	260135.45, 402	56.91823	1.35E-02	1.35E-02	4.7E-06	1.4E-05	8.2E-06	7.4E-06	3.4E-06	1.4E-08	3.4E-07	1.8E-07	1.6E-07	1.9E-07	8.8E-07
777	W_14	260135.45	4022247.01	260135.45, 402	49.6167	1.17E-02	1.17E-02	4.1E-06	1.2E-05	7.1E-06	6.4E-06	2.9E-06	1.2E-08	3.0E-07	1.5E-07	1.4E-07	1.6E-07	7.7E-07
778	W_15	260135.45	4022267.01	260135.45, 402	43.04937	1.02E-02	1.02E-02	3.5E-06	1.1E-05	6.2E-06	5.6E-06	2.6E-06	1.1E-08	2.6E-07	1.3E-07	1.2E-07	1.4E-07	6.7E-07
779	W_16	260155.45	4022187.01	260155.45, 402	51.6579	1.22E-02	1.22E-02	4.2E-06	1.3E-05	7.4E-06	6.7E-06	3.1E-06	1.3E-08	3.1E-07	1.6E-07	1.4E-07	1.7E-07	8.0E-07
780	W_17	260155.45	4022207.01	260155.45, 402	47.47461	1.12E-02	1.12E-02	3.9E-06	1.2E-05	6.8E-06	6.2E-06	2.8E-06	1.2E-08	2.9E-07	1.5E-07	1.3E-07	1.6E-07	7.3E-07
781	W_18	260155.45	4022227.01	260155.45, 402	42.2248	9.99E-03	9.99E-03	3.5E-06	1.0E-05	6.0E-06	5.5E-06	2.5E-06	1.1E-08	2.5E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
782	W_19	260155.45	4022247.01	260155.45, 402	37.10327	8.78E-03	8.78E-03	3.0E-06	9.2E-06	5.3E-06	4.8E-06	2.2E-06	9.2E-09	2.2E-07	1.1E-07	1.0E-07	1.2E-07	5.7E-07
783	W_20	260155.45	4022267.01	260155.45, 402	32.91715	7.79E-03	7.79E-03	2.7E-06	8.1E-06	4.7E-06	4.3E-06	1.9E-06	8.2E-09	2.0E-07	1.0E-07	9.2E-08	1.1E-07	5.1E-07
784	W_21	260175.45	4022187.01	260175.45, 402	40.24406	9.53E-03	9.53E-03	3.3E-06	1.0E-05	5.8E-06	5.2E-06	2.4E-06	1.0E-08	2.4E-07	1.2E-07	1.1E-07	1.3E-07	6.2E-07
785	W_22	260175.45	4022207.01	260175.45, 402	36.40529	8.62E-03	8.62E-03	3.0E-06	9.0E-06	5.2E-06	4.7E-06	2.2E-06	9.1E-09	2.2E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
786	W_23	260175.45	4022227.01	260175.45, 402	32.40279	7.67E-03	7.67E-03	2.7E-06	8.0E-06	4.6E-06	4.2E-06	1.9E-06	8.1E-09	1.9E-07	1.0E-07	9.1E-08	1.1E-07	5.0E-07
787	W_24	260175.45	4022247.01	260175.45, 402	28.89206	6.84E-03	6.84E-03	2.4E-06	7.1E-06	4.1E-06	3.8E-06	1.7E-06	7.2E-09	1.7E-07	8.9E-08	8.1E-08	9.6E-08	4.5E-07
788	W_25	260175.45	4022267.01	260175.45, 402	26.14577	6.19E-03	6.19E-03	2.1E-06	6.5E-06	3.7E-06	3.4E-06	1.5E-06	6.5E-09	1.6E-07	8.1E-08	7.3E-08	8.7E-08	4.0E-07
789	W_26	260195.45	4022187.01	260195.45, 402	31.7209	7.51E-03	7.51E-03	2.6E-06	7.8E-06	4.5E-06	4.1E-06	1.9E-06	7.9E-09	1.9E-07	9.8E-08	8.9E-08	1.1E-07	4.9E-07
790	W_27	260195.45	4022207.01	260195.45, 402	28.59083	6.77E-03	6.77E-03	2.3E-06	7.1E-06	4.1E-06	3.7E-06	1.7E-06	7.1E-09	1.7E-07	8.8E-08	8.0E-08	9.5E-08	4.4E-07
791	W_28	260195.45	4022227.01	260195.45, 402	25.65553	6.07E-03	6.07E-03	2.1E-06	6.3E-06	3.7E-06	3.3E-06	1.5E-06	6.4E-09	1.5E-07	7.9E-08	7.2E-08	8.5E-08	4.0E-07
792	W_29	260195.45	4022247.01	260195.45, 402	23.24372	5.50E-03	5.50E-03	1.9E-06	5.8E-06	3.3E-06	3.0E-06	1.4E-06	5.8E-09	1.4E-07	7.2E-08	6.5E-08	7.7E-08	3.6E-07
793	W_30	260195.45	4022267.01	260195.45, 402	21.38181	5.06E-03	5.06E-03	1.8E-06	5.3E-06	3.1E-06	2.8E-06	1.3E-06	5.3E-09	1.3E-07	6.6E-08	6.0E-08	7.1E-08	3.3E-07
794	W_31	260063.43	4022072.23	260063.43, 402	22.57987	5.34E-03	5.34E-03	1.9E-06	5.6E-06	3.2E-06	2.9E-06	1.3E-06	5.6E-09	1.4E-07	7.0E-08	6.3E-08	7.5E-08	3.5E-07
795	W_32	260063.43	4022092.23	260063.43, 402	28.00042	6.63E-03	6.63E-03	2.3E-06	6.9E-06	4.0E-06	3.6E-06	1.7E-06	7.0E-09	1.7E-07	8.7E-08	7.9E-08	9.3E-08	4.3E-07
796	W_33	260063.43	4022112.23	260063.43, 402	35.63741	8.44E-03	8.44E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	8.9E-09	2.1E-07	1.1E-07	1.0E-07	1.2E-07	5.5E-07
797	W_34	260083.43	4022072.23	260083.43, 402	26.48565	6.27E-03	6.27E-03	2.2E-06	6.6E-06	3.8E-06	3.4E-06	1.6E-06	6.6E-09	1.6E-07	8.2E-08	7.4E-08	8.8E-08	4.1E-07
798	W_35	260083.43	4022092.23	260083.43, 402	33.16216	7.85E-03	7.85E-03	2.7E-06	8.2E-06	4.7E-06	4.3E-06	2.0E-06	8.2E-09	2.0E-07	1.0E-07	9.3E-08	1.1E-07	5.1E-07
799	W_36	260083.43	4022112.23	260083.43, 402	42.28905	1.00E-02	1.00E-02	3.5E-06	1.0E-05	6.1E-06	5.5E-06	2.5E-06	1.1E-08	2.5E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
800	W_37	260103.43	4022072.23	260103.43, 402	30.71771	7.27E-03	7.27E-03	2.5E-06	7.6E-06	4.4E-06	4.0E-06	1.8E-06	7.6E-09	1.8E-07	9.5E-08	8.6E-08	1.0E-07	4.8E-07
801	W_38	260103.43	4022092.23	260103.43, 402	38.16866	9.03E-03	9.03E-03	3.1E-06	9.4E-06	5.5E-06	5.0E-06	2.3E-06	9.5E-09	2.3E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
802	W_39	260103.43	4022112.23	260103.43, 402	47.67895	1.13E-02	1.13E-02	3.9E-06	1.2E-05	6.8E-06	6.2E-06	2.8E-06	1.2E-08	2.9E-07	1.5E-07	1.3E-07	1.6E-07	7.4E-07
803	W_40	260243.42	4022062.81	260243.42, 402	26.52887	6.28E-03	6.28E-03	2.2E-06	6.6E-06	3.8E-06	3.4E-06	1.6E-06	6.6E-09	1.6E-07	8.2E-08	7.4E-08	8.8E-08	4.1E-07
804	W_40	260243.42	4022082.81	260243.42, 402	26.54642	6.28E-03	6.28E-03	2.2E-06	6.6E-06	3.8E-06	3.4E-06	1.6E-06	6.6E-09	1.6E-07	8.2E-08	7.4E-08	8.8E-08	4.1E-07
805	W_40	260243.42	4022102.81	260243.42, 402	25.95849	6.14E-03	6.14E-03	2.1E-06	6.4E-06	3.7E-06	3.4E-06	1.5E-06	6.5E-09	1.6E-07	8.0E-08	7.3E-08	8.6E-08	4.0E-07
806	W_40	260243.42	4022122.81	260243.42, 402	24.82029	5.87E-03	5.87E-03	2.0E-06	6.1E-06	3.6E-06	3.2E-06	1.5E-06	6.2E-09	1.5E-07	7.7E-08	7.0E-08	8.2E-08	3.8E-07
807	W_40	260243.42	4022142.81	260243.42, 402	23.26789	5.51E-03	5.51E-03	1.9E-06	5.8E-06	3.3E-06	3.0E-06	1.4E-06	5.8E-09	1.4E-07	7.2E-08	6.5E-08	7.7E-08	3.6E-07
808	W_40	260243.42	4022162.81	260243.42, 402	21.48093	5.08E-03	5.08E-03	1.8E-06	5.3E-06	3.1E-06	2.8E-06	1.3E-06	5.3E-09	1.3E-07	6.6E-08	6.0E-08	7.1E-08	3.3E-07
809	W_31	260243.42	4022182.81	260243.42, 402	19.64696	4.65E-03	4.65E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	4.9E-09	1.2E-07	6.1E-08	5.5E-08	6.5E-08	3.0E-07
810	W_31	260243.42	4022202.81	260243.42, 402	17.94264	4.25E-03	4.25E-03	1.5E-06	4.4E-06	2.6E-06	2.3E-06	1.1E-06	4.5E-09	1.1E-07	5.6E-08	5.0E-08	6.0E-08	2.8E-07
811	W_31	260243.42	4022222.81	260243.42, 402	16.51105	3.91E-03	3.91E-03	1.4E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	4.1E-09	9.9E-08	5.1E-08	4.6E-08	5.5E-08	2.6E-07
812	W_31	260243.42	4022242.81	260243.42, 402	15.40021	3.65E-03	3.65E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	3.8E-09	9.3E-08	4.8E-08	4.3E-08	5.1E-08	2.4E-07
813	W_31	260243.42	4022262.81	260243.42, 402	14.5213	3.44E-03	3.44E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.6E-07	3.6E-09	8.7E-08	4.5E-08	4.1E-08	4.8E-08	2.2E-07
814	W_31	260243.42	4022282.81	260243.42, 402	13.71304	3.25E-03	3.25E-03	1.1E-06	3.4E-06	2.0E-06	1.8E-06	8.1E-07	3.4E-09	8.2E-08	4.2E-08	3.8E-08	4.6E-08	2.1E-07
815	W_31	260243.42	4022302.81	260243.42, 402	12.88603	3.05E-03	3.05E-03	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	3.2E-09	7.7E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
816	W_31	260243.42	4022322.81	260243.42, 402	12.10281	2.86E-03	2.86E-03	9.9E-07	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.0E-09	7.3E-08	3.7E-08	3.4E-08	4.0E-08	1.9E-07
817	W_31	260243.42	4022342.81	260243.42, 402	11.48433	2.72E-03	2.72E-03	9.4E-07	2.8E-06	1.6E-06	1.5E-06	6.8E-07	2.9E-09	6.9E-08	3.6E-08	3.2E-08	3.8E-08	1.8E-07
818	W_31	260243.42	4022362.81	260243.42, 402	11.0396	2.61E-03	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	2.7E-09	6.6E-08	3.4E-08	3.1E-08	3.7E-08	1.7E-07
819	W_32	260243.42	4022382.81	260243.42, 402	10.62571	2.52E-03	2.52E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	2.6E-09	6.4E-08	3.3E-08	3.0E-08	3.5E-08	1.6E-07
820	W_32	260243.42	4022402.81	260243.42, 402	10.0854	2.39E-03	2.39E-03	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	2.5E-09	6.1E-08	3.1E-08	2.8E-08	3.3E-08	1.6E-07
821	W_32	260243.42	4022422.81	260243.42, 402	9.38458	2.22E-03	2.22E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.6E-07	2.3E-09	5.6E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
822	W_32	260263.42	4022362.81	260263.42, 402	9.76191	2.31E-03	2.31E-03	8.0E-07	2.4E-06	1.4E-06	1.3E-06	5.8E-07	2.4E-09	5.9E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
823	W_32	260263.42	4022382.81	260263.42, 402	9.44776	2.24E-03	2.24E-03	7.7E-07	2.3E-06	1.4E-06	1.2E-06	5.6E-07	2.3E-09	5.7E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
824	W_32	260263.42	4022402.81	260263.42, 402	9.04622	2.14E-03	2.14E-03	7.4E-07	2.2E-06	1.3E-06	1.2E-06	5.4E-07	2.3E-09	5.4E-08	2.8E-08	2.5E-08	3.0E-08	1.4E-07
825	W_32	260263.42	4022422.81	260263.42, 402	8.50511	2.01E-03	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.1E-09	5.1E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07

Residential DOSEair =		**(Cair*(BR/BW)*A*EF*10^{-6})**
A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk =		**DOSEair * CPF * ASF * ED/AT * FAH**
CPF	0.1	Cancer Potency Factor for Benzene[4]
AT	70	Averaging Time[5]

Age	**BR/BW**	**ASF**	**FAH**	**ED (Ops)**
3rd	361	10	0.85	0.25
0<2	1090	10	0.85	2
2<9	631	3	0.72	7
9<16	572	3	0.72	7
16<30	261	1	0.73	53.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/yea
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for Benzene, OEHHA 2015, Table 7.1, page 7-4
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Residential Construction and Operational Risk Combined

Discrete Receptor ID				Concentration [ug/m^3]		Residential Dose						Risk by Age Group						
	X	Y	X, Y	Construction Total	Operations (DPM) Total	Construction 3rd	Construction C 0<2	Operations O 0<2	Operations 2<9	Operations 9<16	Operations 16<30	Construction 3rd	Construction C 0<2	Operations O 0<2	Operations 2<9	Operations 9<16	Operations 16<30	Total Risk
1	BKGN	259429.52	4021822.74	259429.52, 4(	0.000130728	2.30E-04	4.5E-08	1.4E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	1.5E-09	7.6E-09	5.1E-08	3.3E-08	3.0E-08	3.6E-08	1.6E-07
2	BKGN	259488.16	4021822.74	259488.16, 4(	0.000143521	2.41E-04	5.0E-08	1.5E-07	2.5E-07	1.5E-07	1.3E-07	6.0E-08	1.7E-09	8.3E-09	5.3E-08	3.5E-08	3.1E-08	3.7E-08	1.7E-07
3	BKGN	259546.8	4021822.74	259546.8, 402	0.000159619	2.52E-04	5.5E-08	1.7E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	1.8E-09	9.3E-09	5.6E-08	3.6E-08	3.3E-08	3.9E-08	1.7E-07
4	BKGN	259605.44	4021822.74	259605.44, 4(	0.000178783	2.64E-04	6.2E-08	1.9E-07	2.8E-07	1.6E-07	1.4E-07	6.6E-08	2.1E-09	1.0E-08	5.8E-08	3.8E-08	3.4E-08	4.1E-08	1.8E-07
5	BKGN	259664.08	4021822.74	259664.08, 4(	0.000200531	2.79E-04	6.9E-08	2.1E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.3E-09	1.2E-08	6.2E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
6	BKGN	259722.72	4021822.74	259722.72, 4(	0.000224243	2.98E-04	7.8E-08	2.3E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.6E-09	1.3E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.1E-07
7	BKGN	259781.36	4021822.74	259781.36, 4(	0.000248602	3.22E-04	8.6E-08	2.6E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	2.9E-09	1.4E-08	7.1E-08	4.6E-08	4.2E-08	5.0E-08	2.3E-07
8	BKGN	259840	4021822.74	259840, 4021	0.000275229	3.59E-04	9.5E-08	2.9E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.2E-09	1.6E-08	7.9E-08	5.2E-08	4.7E-08	5.5E-08	2.5E-07
9	BKGN	259898.64	4021822.74	259898.64, 4(	0.000313786	4.25E-04	1.1E-07	3.3E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	3.6E-09	1.8E-08	9.4E-08	6.1E-08	5.5E-08	6.6E-08	3.0E-07
10	BKGN	259957.28	4021822.74	259957.28, 4(	0.000376367	5.81E-04	1.3E-07	3.9E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	4.4E-09	2.2E-08	1.3E-07	8.4E-08	7.6E-08	9.0E-08	4.0E-07
11	BKGN	260015.92	4021822.74	260015.92, 4(	0.000466099	8.36E-04	1.6E-07	4.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	5.4E-09	2.7E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	5.8E-07
12	BKGN	260074.56	4021822.74	260074.56, 4(	0.000575767	9.22E-04	2.0E-07	6.0E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	6.7E-09	3.3E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
13	BKGN	260133.2	4021822.74	260133.2, 402	0.000681395	6.94E-04	2.4E-07	7.1E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.9E-09	4.0E-08	1.5E-07	1.0E-07	9.0E-08	1.1E-07	5.0E-07
14	BKGN	260191.84	4021822.74	260191.84, 4(	0.000747893	6.32E-04	2.6E-07	7.8E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	8.6E-09	4.4E-08	1.4E-07	9.1E-08	8.2E-08	9.7E-08	4.6E-07
15	BKGN	260250.48	4021822.74	260250.48, 4(	0.00075302	5.99E-04	2.6E-07	7.9E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	8.7E-09	4.4E-08	1.3E-07	8.6E-08	7.8E-08	9.2E-08	4.4E-07
16	BKGN	260309.12	4021822.74	260309.12, 4(	0.000702485	5.62E-04	2.4E-07	7.3E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	8.1E-09	4.1E-08	1.2E-07	8.1E-08	7.3E-08	8.7E-08	4.1E-07
17	BKGN	260367.76	4021822.74	260367.76, 4(	0.000619965	5.18E-04	2.1E-07	6.5E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	7.2E-09	3.6E-08	1.1E-07	7.4E-08	6.8E-08	8.0E-08	3.8E-07
18	BKGN	260426.4	4021822.74	260426.4, 402	0.00052808	4.73E-04	1.8E-07	5.5E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	6.1E-09	3.1E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.4E-07
19	BKGN	260485.04	4021822.74	260485.04, 4(	0.00044075	4.31E-04	1.5E-07	4.6E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	9.5E-08	6.2E-08	5.6E-08	6.6E-08	3.1E-07
20	BKGN	260543.68	4021822.74	260543.68, 4(	0.000364119	3.94E-04	1.3E-07	3.8E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	4.2E-09	2.1E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	2.8E-07
21	BKGN	260602.32	4021822.74	260602.32, 4(	0.00029995	3.63E-04	1.0E-07	3.1E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.5E-09	1.7E-08	8.0E-08	5.2E-08	4.7E-08	5.6E-08	2.6E-07
22	BKGN	259429.52	4021866.26	259429.52, 4(	0.000145789	2.72E-04	5.0E-08	1.5E-07	2.8E-07	1.6E-07	1.5E-07	6.8E-08	1.7E-09	8.5E-09	6.0E-08	3.9E-08	3.5E-08	4.2E-08	1.9E-07
23	BKGN	259488.16	4021866.26	259488.16, 4(	0.000160368	2.83E-04	5.6E-08	1.7E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	1.9E-09	9.3E-09	6.3E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
24	BKGN	259546.8	4021866.26	259546.8, 402	0.000179063	2.95E-04	6.2E-08	1.9E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.1E-09	1.0E-08	6.5E-08	4.2E-08	3.8E-08	4.6E-08	2.0E-07
25	BKGN	259605.44	4021866.26	259605.44, 4(	0.000202369	3.09E-04	7.0E-08	2.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.3E-09	1.2E-08	6.8E-08	4.4E-08	4.0E-08	4.8E-08	2.1E-07
26	BKGN	259664.08	4021866.26	259664.08, 4(	0.000229956	3.26E-04	8.0E-08	2.4E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	2.7E-09	1.3E-08	7.2E-08	4.7E-08	4.2E-08	5.0E-08	2.3E-07
27	BKGN	259722.72	4021866.26	259722.72, 4(	0.000261128	3.47E-04	9.0E-08	2.7E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	3.0E-09	1.5E-08	7.7E-08	5.0E-08	4.5E-08	5.3E-08	2.4E-07
28	BKGN	259781.36	4021866.26	259781.36, 4(	0.00029429	3.74E-04	1.0E-07	3.1E-07	3.9E-07	2.3E-07	2.0E-07	9.4E-08	3.4E-09	1.7E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
29	BKGN	259840	4021866.26	259840, 4021	0.000331075	4.14E-04	1.1E-07	3.5E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.8E-09	1.9E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	2.9E-07
30	BKGN	259898.64	4021866.26	259898.64, 4(	0.000384388	4.83E-04	1.3E-07	4.0E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	4.4E-09	2.2E-08	1.1E-07	7.0E-08	6.3E-08	7.5E-08	3.4E-07
31	BKGN	259957.28	4021866.26	259957.28, 4(	0.000471398	6.43E-04	1.6E-07	4.9E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	5.4E-09	2.7E-08	1.4E-07	9.2E-08	8.4E-08	9.9E-08	4.5E-07
32	BKGN	260015.92	4021866.26	260015.92, 4(	0.000597832	9.10E-04	2.1E-07	6.2E-07	9.5E-07	5.5E-07	5.0E-07	2.3E-07	6.9E-09	3.5E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.3E-07
33	BKGN	260074.56	4021866.26	260074.56, 4(	0.00074372	1.02E-03	2.6E-07	7.8E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	8.6E-09	4.3E-08	2.2E-07	1.5E-07	1.3E-07	1.6E-07	7.1E-07
34	BKGN	260133.2	4021866.26	260133.2, 402	0.000867461	7.92E-04	3.0E-07	9.1E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	1.0E-08	5.0E-08	1.8E-07	1.1E-07	1.0E-07	1.2E-07	5.7E-07
35	BKGN	260191.84	4021866.26	260191.84, 4(	0.000920197	7.29E-04	3.2E-07	9.6E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.1E-08	5.4E-08	1.6E-07	1.0E-07	9.5E-08	1.1E-07	5.4E-07
36	BKGN	260250.48	4021866.26	260250.48, 4(	0.000885624	6.84E-04	3.1E-07	9.3E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	1.0E-08	5.2E-08	1.5E-07	9.8E-08	8.9E-08	1.1E-07	5.1E-07
37	BKGN	260309.12	4021866.26	260309.12, 4(	0.000788407	6.32E-04	2.7E-07	8.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	9.1E-09	4.6E-08	1.4E-07	9.1E-08	8.2E-08	9.7E-08	4.7E-07
38	BKGN	260367.76	4021866.26	260367.76, 4(	0.00066822	5.76E-04	2.3E-07	7.0E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	7.7E-09	3.9E-08	1.3E-07	8.3E-08	7.5E-08	8.9E-08	4.2E-07
39	BKGN	260426.4	4021866.26	260426.4, 402	0.00054995	5.23E-04	1.9E-07	5.7E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	6.4E-09	3.2E-08	1.2E-07	7.5E-08	6.8E-08	8.1E-08	3.8E-07
40	BKGN	260485.04	4021866.26	260485.04, 4(	0.000445924	4.77E-04	1.5E-07	4.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	5.2E-09	2.6E-08	1.1E-07	6.9E-08	6.2E-08	7.4E-08	3.4E-07
41	BKGN	260543.68	4021866.26	260543.68, 4(	0.000360121	4.40E-04	1.2E-07	3.8E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.2E-09	2.1E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.1E-07
42	BKGN	260602.32	4021866.26	260602.32, 4(	0.000292112	4.09E-04	1.0E-07	3.1E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	3.4E-09	1.7E-08	9.0E-08	5.9E-08	5.3E-08	6.3E-08	2.9E-07
43	BKGN	259429.52	4021909.78	259429.52, 4(	0.000163839	3.32E-04	5.7E-08	1.7E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	1.9E-09	9.5E-09	7.3E-08	4.8E-08	4.3E-08	5.1E-08	2.3E-07
44	BKGN	259488.16	4021909.78	259488.16, 4(	0.000181154	3.45E-04	6.3E-08	1.9E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	2.1E-09	1.1E-08	7.6E-08	5.0E-08	4.5E-08	5.3E-08	2.4E-07
45	BKGN	259546.8	4021909.78	259546.8, 402	0.000203181	3.59E-04	7.0E-08	2.1E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	2.3E-09	1.2E-08	7.9E-08	5.2E-08	4.7E-08	5.5E-08	2.5E-07
46	BKGN	259605.44	4021909.78	259605.44, 4(	0.000231489	3.75E-04	8.0E-08	2.4E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	2.7E-09	1.3E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
47	BKGN	259664.08	4021909.78	259664.08, 4(	0.000266587	3.94E-04	9.2E-08	2.8E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	3.1E-09	1.6E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	2.7E-07
48	BKGN	259722.72	4021909.78	259722.72, 4(	0.000308095	4.18E-04	1.1E-07	3.2E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	3.6E-09	1.8E-08	9.2E-08	6.0E-08	5.4E-08	6.4E-08	2.9E-07
49	BKGN	259781.36	4021909.78	259781.36, 4(	0.000354125	4.48E-04	1.2E-07	3.7E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.1E-09	2.1E-08	9.9E-08	6.4E-08	5.8E-08	6.9E-08	3.2E-07
50	BKGN	259840	4021909.78	259840, 4021	0.000406249	4.92E-04	1.4E-07	4.2E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	4.7E-09	2.4E-08	1.1E-07	7.1E-08	6.4E-08	7.6E-08	3.5E-07
51	BKGN	259898.64	4021909.78	259898.64, 4(	0.000482397	5.68E-04	1.7E-07	5.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.6E-09	2.8E-08	1.3E-07	8.2E-08	7.4E-08	8.8E-08	4.0E-07
52	BKGN	259957.28	4021909.78	259957.28, 4(	0.000607971	7.33E-04	2.1E-07	6.4E-07	7.7E-07	4.4E-07	4.0E-07	1.8E-07	7.0E-09	3.5E-08	1.6E-07	1.1E-07	9.6E-08	1.1E-07	5.2E-07
53	BKGN	260015.92	4021909.78	260015.92, 4(	0.000788709	1.02E-03	2.7E-07	8.2E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	9.1E-09	4.6E-08	2.3E-07	1.5E-07	1.3E-07	1.6E-07	7.2E-07
54	BKGN	260074.56	4021909.78	260074.56, 4(	0.000983318	1.15E-03	3.4E-07	1.0E-06	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.1E-08	5.7E-08	2.5E-07	1.6E-07	1.5E-07	1.8E-07	8.1E-07
55	BKGN	260133.2	4021909.78	260133.2, 402	0.001116397	9.30E-04	3.9E-07	1.2E-06	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.3E-08	6.5E-08	2.1E-07	1.3E-07	1.2E-07	1.4E-07	6.8E-07
56	BKGN	260191.84	4021909.78	260191.84, 4(	0.001129246	8.59E-04	3.9E-07	1.2E-06	9.0E-07	5.2E-07	4.7E-07	2.1E-07	1.3E-08	6.6E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	6.4E-07
57	BKGN	260250.48	4021909.78	260250.48, 4(	0.00102886	7.95E-04	3.6E-07	1.1E-06	8.3E-07	4.8E-07	4.4E-07	2.0E-07	1.2E-08	6.0E-08	1.8E-07	1.1E-07	1.0E-07	1.2E-07	5.9E-07
58	BKGN	260309.12	4021909.78	260309.12, 4(	0.000869217	7.24E-04	3.0E-07	9.1E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.0E-08	5.1E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	5.3E-07
59	BKGN	260367.76	4021909.78	260367.76, 4(	0.000705065	6.57E-04	2.4E-07	7.4E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	8.2E-09	4.1E-08	1.5E-07	9.4E-08	8.6E-08	1.0E-07	4.8E-07
60	BKGN	260426.4	4021909.78	260426.4, 402	0.000560245	5.99E-04	1.9E-07	5.9E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	6.5E-09	3.3E-08	1.3E-07	8.6E-08	7.8E-08	9.2E-08	4.3E-07
61	BKGN	260485.04	4021909.78	260485.04, 4(	0.000442118	5.52E-04	1.5E-07	4.6E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	5.1E-09	2.6E-08	1.2E-07	7.9E-08	7.2E-08	8.5E-08	3.9E-07
62	BKGN	260543.68	4021909.78	260543.68, 4(	0.000349422	5.17E-04	1.2E-07	3.7E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.0E-09	2.0E-08	1.1E-07	7.4E-08	6.7E-08	8.0E-08	3.6E-07
63	BKGN	260602.32	4021909.78	260602.32, 4(	0.000279917	4.88E-04	9.7E-08	2.9E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	3.2E-09	1.6E-08	1.1E-07	7.0E-08	6.4E-08	7.5E-08	3.4E-07
64	BKGN	259429.52	4021953.3	259429.52, 4(	0.000184752	4.31E-04	6.4E-08	1.9E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	2.1E-09	1.1E-08	9.5E-08	6.2E-08	5.6E-08	6.6E-08	2.9E-07
65	BKGN	259488.16	4021953.3	259488.16, 4(	0.000206538	4.47E-04	7.1E-08	2.2E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	2.4E-09	1.2E-08	9.9E-08	6.4E-08	5.8E-08	6.9E-08	3.0E-07
66	BKGN	259546.8	4021953.3	259546.8, 402	0.000233467	4.66E-04	8.1E-08	2.4E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	2.7E-09	1.4E-08	1.0E-07	6.7E-08	6.1E-08	7.2E-08	3.2E-07
67	BKGN	259605.44	4021953.3	259605.44, 4(	0.000268248	4.86E-04	9.3E-08	2.8E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	3.1E-09	1.6E-08	1.1E-07	7.0E-08	6.3E-08	7.5E-08	3.3E-07
68	BKGN	259664.08	4021953.3	259664.08, 4(	0.000313174	5.09E-04	1.1E-07	3.3E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	3.6E-09	1.8E-08	1.1E-07	7.3E-08	6.6E-08	7.9E-08	3.5E-07
69	BKGN	259722.72	4021953.3	259722.72, 4(	0.000369083	5.38E-04	1.3E-07	3.9E-07	5.6E-07	3.3E-07	2.9E-07	1.3E-07	4.3E-09	2.1E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	3.7E-07
70	BKGN	259781.36	4021953.3	259781.36, 4(	0.000434391	5.74E-04	1.5E-07	4.5E-07	6.0E-07	3.5E-07	3.1E-07	1.4E-07	5.0E-09	2.5E-08	1.3E-07	8.2E-08	7.5E-08	8.9E-08	4.0E-07
71	BKGN	259840	4021953.3	259840, 4021	0.000510592	6.25E-04	1.8E-07	5.3E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	5.9E-09	3.0E-08	1.4E-07	9.0E-08	8.1E-08	9.6E-08	4.4E-07
72	BKGN	259898.64	4021953.3	259898.64, 4(	0.000623974	7.09E-04	2.2E-07	6.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	7.2E-09	3.6E-08	1.6E-07	1.0E-07	9.2E-08	1.1E-07	5.0E-07
73	BKGN	259957.28	4021953.3	259957.28, 4(	0.000813427	8.85E-04	2.8E-07	8.5E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	9.4E-09	4.7E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.3E-07
74	BKGN	260015.92	4021953.3	260015.92, 4(	0.0010798	1.21E-03	3.7E-07	1.1E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.2E-08	6.3E-08	2.7E-07	1.7E-07	1.6E-07	1.9E-07	8.6E-07
75	BKGN	260074.56	4021953.3	260074.56, 4(	0.001329945	1.36E-03	4.6E-07	1.4E-06	1.4E-06	8.2E-07	7.5E-07	3.4E-07	1.5E-08	7.7E-08	3.0E-07	2.0E-07	1.8E-07	2.1E-07	9.8E-07
76	BKGN	260133.2	4021953.3	260133.2, 402	0.001444087	1.15E-03	5.0E-07	1.5E-06	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.7E-08	8.4E-08	2.5E-07	1.6E-07	1.5E-07	1.8E-07	8.4E-07
77	BKGN	260191.84	4021953.3	260191.84, 4(	0.001372739	1.06E-03	4.8E-07	1.4E-06	1.1E-06	6.4E-07	5.8E-07	2.6E-07	1.6E-08	8.0E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.8E-07
78	BKGN	260250.48	4021953.3	260250.48, 4(	0.001172153	9.66E-04	4.1E-07	1.2E-06	1.0E-06	5.8E-07	5.3E-07	2.4E-07	1.4E-08	6.8E-08	2.1E-07	1.4E-07	1.3E-07	1.5E-07	7.1E-07
79	BKGN	260309.12	4021953.3	260309.12, 4(	0.000937619	8.79E-04	3.2E-07	9.8E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	1.1E-08	5.5E-08	1.9E-07	1.3E-07	1.1E-07	1.4E-07	6.4E-07
80	BKGN	260367.76	4021953.3	260367.76, 4(	0.00072636	8.05E-04	2.5E-07	7.6E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	8.4E-09	4.2E-08	1.8E-07	1.2E-07	1.0E-07	1.2E-07	5.7E-07
81	BKGN	260426.4	4021953.3	260426.4, 402	0.000557266	7.49E-04	1.9E-07	5.8E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	6.4E-09	3.2E-08	1.7E-07	1.1E-07	9.8E-08	1.2E-07	5.3E-07
82	BKGN	260485.04	4021953.3	260485.04, 4(	0.000429269	7.07E-04	1.5E-07	4.5E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	5.0E-09	2.5E-08	1.6E-07	1.0E-07	9.2E-08	1.1E-07	4.9E-07
83	BKGN	260543.68	4021953.3	260543.68, 4(	0.000335771	6.76E-04	1.2E-07	3.5E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	3.9E-09	2.0E-08	1.5E-07	9.7E-08	8.8E-08	1.0E-07	4.6E-07
84	BKGN	260602.32	4021953.3	260602.32, 4(	0.000267036	6.56E-04	9.2E-08	2.8E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	3.1E-09	1.6E-08	1.5E-07	9.4E-08	8.5E-08	1.0E-07	4.4E-07
85	BKGN	259429.52	4021996.82	259429.52, 4(	0.000207958	6.34E-04	7.2E-08	2.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	2.4E-09	1.2E-08	1.4E-07	9.1E-08	8.3E-08	9.8E-08	4.3E-07
86	BKGN	259488.16	4021996.82	259488.16, 4(	0.00023652	6.60E-04	8.2E-08	2.5E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	2.7E-09	1.4E-08	1.5E-07	9.5E-08	8.6E-08	1.0E-07	4.5E-07
87	BKGN	259546.8	4021996.82	259546.8, 402	0.000271276	6.90E-04	9.4E-08	2.8E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	3.1E-09	1.6E-08	1.5E-07	9.9E-08	9.0E-08	1.1E-07	4.7E-07
88	BKGN	259605.44	4021996.82	259605.44, 4(	0.000315582	7.23E-04	1.1E-07	3.3E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	3.6E-09	1.8E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	4.9E-07
89	BKGN	259664.08	4021996.82	259664.08, 4(	0.000373973	7.58E-04	1.3E-07	3.9E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	4.3E-09	2.2E-08	1.7E-07	1.1E-07	9.9E-08	1.2E-07	5.2E-07
90	BKGN	259722.72	4021996.82	259722.72, 4(	0.000450336	7.99E-04	1.6E-07	4.7E-07	8.4E-07	4.8E-07	4.4E-07	2.0E-07	5.2E-09	2.6E-08	1.8E-07	1.1E-07	1.0E-07	1.2E-07	5.5E-07
91	BKGN	259781.36	4021996.82	259781.36, 4(	0.000545243	8.50E-04	1.9E-07	5.7E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	6.3E-09	3.2E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07

92	BKGN	259840	4021996.82	259840, 4021	0.000661086	9.17E-04	2.3E-07	6.9E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	7.6E-09	3.8E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
93	BKGN	259898.64	4021996.82	259898.64, 40	0.000839211	1.02E-03	2.9E-07	8.8E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	9.7E-09	4.9E-08	2.3E-07	1.5E-07	1.3E-07	1.6E-07	7.2E-07
94	BKGN	259957.28	4021996.82	259957.28, 40	0.001140462	1.23E-03	3.9E-07	1.2E-06	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.3E-08	6.6E-08	2.7E-07	1.8E-07	1.6E-07	1.9E-07	8.8E-07
95	BKGN	260015.92	4021996.82	260015.92, 40	0.001536833	1.79E-03	5.3E-07	1.6E-06	1.9E-06	1.1E-06	9.8E-07	4.5E-07	1.8E-08	8.9E-08	3.9E-07	2.6E-07	2.3E-07	2.8E-07	1.3E-06
96	BKGN	260074.56	4021996.82	260074.56, 40	0.001838173	1.80E-03	6.4E-07	1.9E-06	1.9E-06	1.1E-06	9.9E-07	4.5E-07	2.1E-08	1.1E-07	4.0E-07	2.6E-07	2.3E-07	2.8E-07	1.3E-06
97	BKGN	260133.2	4021996.82	260133.2, 402	0.001867797	1.59E-03	6.5E-07	2.0E-06	1.7E-06	9.6E-07	8.7E-07	4.0E-07	2.2E-08	1.1E-07	3.5E-07	2.3E-07	2.1E-07	2.5E-07	1.2E-06
98	BKGN	260191.84	4021996.82	260191.84, 40	0.001637384	1.47E-03	5.7E-07	1.7E-06	1.5E-06	8.9E-07	8.1E-07	3.7E-07	1.9E-08	9.5E-08	3.3E-07	2.1E-07	1.9E-07	2.3E-07	1.1E-06
99	BKGN	260250.48	4021996.82	260250.48, 40	0.001297701	1.37E-03	4.5E-07	1.4E-06	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.5E-08	7.5E-08	3.0E-07	2.0E-07	1.8E-07	2.1E-07	9.8E-07
100	BKGN	260309.12	4021996.82	260309.12, 40	0.000978314	1.28E-03	3.4E-07	1.0E-06	1.3E-06	7.8E-07	7.0E-07	3.2E-07	1.1E-08	5.7E-08	2.8E-07	1.8E-07	1.7E-07	2.0E-07	9.0E-07
101	BKGN	260367.76	4021996.82	260367.76, 40	0.000725503	1.23E-03	2.5E-07	7.6E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	8.4E-09	4.2E-08	2.7E-07	1.8E-07	1.6E-07	1.9E-07	8.5E-07
102	BKGN	260426.4	4021996.82	260426.4, 402	0.000540772	1.20E-03	1.9E-07	5.7E-07	1.3E-06	7.2E-07	6.6E-07	3.0E-07	6.3E-09	3.1E-08	2.6E-07	1.7E-07	1.6E-07	1.8E-07	8.1E-07
103	BKGN	260485.04	4021996.82	260485.04, 40	0.000409426	1.18E-03	1.4E-07	4.3E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	4.7E-09	2.4E-08	2.6E-07	1.7E-07	1.5E-07	1.8E-07	8.0E-07
104	BKGN	260543.68	4021996.82	260543.68, 40	0.000318116	1.19E-03	1.1E-07	3.3E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	3.7E-09	1.9E-08	2.6E-07	1.7E-07	1.5E-07	1.8E-07	7.9E-07
105	BKGN	260602.32	4021996.82	260602.32, 40	0.000252926	1.20E-03	8.8E-08	2.6E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	2.9E-09	1.5E-08	2.7E-07	1.7E-07	1.6E-07	1.9E-07	8.0E-07
106	BKGN	259429.52	4022040.34	259429.52, 40	0.000232925	1.34E-03	8.1E-08	2.4E-07	1.4E-06	8.1E-07	7.3E-07	3.3E-07	2.7E-09	1.4E-08	3.0E-07	1.9E-07	1.7E-07	2.1E-07	8.9E-07
107	BKGN	259488.16	4022040.34	259488.16, 40	0.000270455	1.10E-03	9.4E-08	2.8E-07	1.2E-06	6.7E-07	6.0E-07	2.8E-07	3.1E-09	1.6E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.3E-07
108	BKGN	259546.8	4022040.34	259546.8, 402	0.000317015	9.26E-04	1.1E-07	3.3E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	3.7E-09	1.8E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.2E-07
109	BKGN	259605.44	4022040.34	259605.44, 40	0.000376343	9.19E-04	1.3E-07	3.9E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	4.4E-09	2.2E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.2E-07
110	BKGN	259664.08	4022040.34	259664.08, 40	0.000455151	9.32E-04	1.6E-07	4.8E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	5.3E-09	2.6E-08	2.1E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
111	BKGN	259722.72	4022040.34	259722.72, 40	0.00056219	1.09E-03	1.9E-07	5.9E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	6.5E-09	3.3E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.5E-07
112	BKGN	259781.36	4022040.34	259781.36, 40	0.000704225	1.06E-03	2.4E-07	7.4E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	8.1E-09	4.1E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.4E-07
113	BKGN	259840	4022040.34	259840, 4022	0.000889154	1.07E-03	3.1E-07	9.3E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.0E-08	5.2E-08	2.4E-07	1.5E-07	1.4E-07	1.6E-07	7.5E-07
114	BKGN	259898.64	4022040.34	259898.64, 40	0.001189476	1.14E-03	4.1E-07	1.2E-06	1.2E-06	6.9E-07	6.2E-07	2.8E-07	1.4E-08	6.9E-08	2.5E-07	1.6E-07	1.5E-07	1.8E-07	8.2E-07
115	BKGN	259957.28	4022040.34	259957.28, 40	0.001698797	1.34E-03	5.9E-07	1.8E-06	1.4E-06	8.1E-07	7.3E-07	3.3E-07	2.0E-08	9.9E-08	3.0E-07	1.9E-07	1.7E-07	2.1E-07	9.9E-07
116	BKGN	260015.92	4022040.34	260015.92, 40	0.002283763	1.53E-03	7.9E-07	2.4E-06	1.6E-06	9.2E-07	8.4E-07	3.8E-07	2.6E-08	1.3E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.2E-06
117	BKGN	260074.56	4022040.34	260074.56, 40	0.002576257	1.94E-03	8.9E-07	2.7E-06	2.0E-06	1.2E-06	1.1E-06	4.9E-07	3.0E-08	1.5E-07	4.3E-07	2.8E-07	2.5E-07	3.0E-07	1.4E-06
118	BKGN	260133.2	4022040.34	260133.2, 402	0.002383323	1.61E-03	8.3E-07	2.5E-06	1.7E-06	9.7E-07	8.8E-07	4.0E-07	2.8E-08	1.4E-07	3.6E-07	2.3E-07	2.1E-07	2.5E-07	1.2E-06
119	BKGN	260191.84	4022040.34	260191.84, 40	0.001889424	1.38E-03	6.5E-07	2.0E-06	1.4E-06	8.4E-07	7.6E-07	3.5E-07	2.2E-08	1.1E-07	3.1E-07	2.0E-07	1.8E-07	2.1E-07	1.0E-06
120	BKGN	260250.48	4022040.34	260250.48, 40	0.001383225	1.19E-03	4.8E-07	1.4E-06	1.2E-06	7.2E-07	6.6E-07	3.0E-07	1.6E-08	8.0E-08	2.6E-07	1.7E-07	1.6E-07	1.8E-07	8.7E-07
121	BKGN	260309.12	4022040.34	260309.12, 40	0.000984221	1.21E-03	3.4E-07	1.0E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.1E-08	5.7E-08	2.7E-07	1.7E-07	1.6E-07	1.9E-07	8.5E-07
122	BKGN	260367.76	4022040.34	260367.76, 40	0.000703633	1.08E-03	2.4E-07	7.4E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	8.1E-09	4.1E-08	2.4E-07	1.5E-07	1.4E-07	1.7E-07	7.5E-07
123	BKGN	260426.4	4022040.34	260426.4, 402	0.000513915	1.14E-03	1.8E-07	5.4E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	5.9E-09	3.0E-08	2.5E-07	1.6E-07	1.5E-07	1.8E-07	7.8E-07
124	BKGN	260485.04	4022040.34	260485.04, 40	0.000386325	1.04E-03	1.3E-07	4.0E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	4.5E-09	2.2E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.0E-07
125	BKGN	260543.68	4022040.34	260543.68, 40	0.000299408	9.58E-04	1.0E-07	3.1E-07	1.0E-06	5.8E-07	5.3E-07	2.4E-07	3.5E-09	1.7E-08	2.1E-07	1.4E-07	1.2E-07	1.5E-07	6.4E-07
126	BKGN	260602.32	4022040.34	260602.32, 40	0.000238827	8.82E-04	8.3E-08	2.5E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	2.8E-09	1.4E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	5.9E-07
127	BKGN	259429.52	4022083.86	259429.52, 40	0.000259502	7.36E-04	9.0E-08	2.7E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	3.0E-09	1.5E-08	1.6E-07	1.1E-07	9.6E-08	1.1E-07	5.0E-07
128	BKGN	259488.16	4022083.86	259488.16, 40	0.000307709	7.25E-04	1.1E-07	3.2E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	3.6E-09	1.8E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	4.9E-07
129	BKGN	259546.8	4022083.86	259546.8, 402	0.000370127	7.18E-04	1.3E-07	3.9E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	4.3E-09	2.2E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	4.9E-07
130	BKGN	259605.44	4022083.86	259605.44, 40	0.000452354	7.17E-04	1.6E-07	4.7E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	5.2E-09	2.6E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	5.0E-07
131	BKGN	259664.08	4022083.86	259664.08, 40	0.000564017	7.16E-04	2.0E-07	5.9E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	6.5E-09	3.3E-08	1.6E-07	1.0E-07	9.3E-08	1.1E-07	5.0E-07
132	BKGN	259722.72	4022083.86	259722.72, 40	0.000720527	7.37E-04	2.5E-07	7.5E-07	7.7E-07	4.5E-07	4.0E-07	1.8E-07	8.3E-09	4.2E-08	1.6E-07	1.1E-07	9.6E-08	1.1E-07	5.3E-07
133	BKGN	259781.36	4022083.86	259781.36, 40	0.000943655	7.64E-04	3.3E-07	9.9E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	1.1E-08	5.5E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
134	BKGN	259840	4022083.86	259840, 4022	0.001259712	8.14E-04	4.4E-07	1.3E-06	8.5E-07	4.9E-07	4.5E-07	2.0E-07	1.5E-08	7.3E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.2E-07
135	BKGN	259898.64	4022083.86	259898.64, 40	0.001818685	9.16E-04	6.3E-07	1.9E-06	9.6E-07	5.5E-07	5.0E-07	2.3E-07	2.1E-08	1.1E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	7.2E-07
136	BKGN	259957.28	4022083.86	259957.28, 40	0.002736113	1.15E-03	9.5E-07	2.9E-06	1.2E-06	7.0E-07	6.3E-07	2.9E-07	3.2E-08	1.6E-07	2.6E-07	1.7E-07	1.5E-07	1.8E-07	9.4E-07
137	BKGN	260015.92	4022083.86	260015.92, 40	0.00354895	1.58E-03	1.2E-06	3.7E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	4.1E-08	2.1E-07	3.5E-07	2.3E-07	2.1E-07	2.4E-07	1.3E-06
138	BKGN	260074.56	4022083.86	260074.56, 40	0.003628392	1.83E-03	1.3E-06	3.8E-06	1.9E-06	1.1E-06	1.0E-06	4.6E-07	4.2E-08	2.1E-07	4.0E-07	2.6E-07	2.4E-07	2.8E-07	1.4E-06
139	BKGN	260133.2	4022083.86	260133.2, 402	0.00294255	1.41E-03	1.0E-06	3.1E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	3.4E-08	1.7E-07	3.1E-07	2.0E-07	1.8E-07	2.2E-07	1.1E-06
140	BKGN	260191.84	4022083.86	260191.84, 40	0.002076509	1.12E-03	7.2E-07	2.2E-06	1.2E-06	6.8E-07	6.1E-07	2.8E-07	2.4E-08	1.2E-07	2.5E-07	1.6E-07	1.5E-07	1.7E-07	8.7E-07
141	BKGN	260250.48	4022083.86	260250.48, 40	0.00140728	9.06E-04	4.9E-07	1.5E-06	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.6E-08	8.2E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.9E-07
142	BKGN	260309.12	4022083.86	260309.12, 40	0.000953523	7.62E-04	3.3E-07	1.0E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	1.1E-08	5.5E-08	1.7E-07	1.1E-07	9.9E-08	1.2E-07	5.6E-07
143	BKGN	260367.76	4022083.86	260367.76, 40	0.000664381	6.62E-04	2.3E-07	6.9E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	7.7E-09	3.9E-08	1.5E-07	9.5E-08	8.6E-08	1.0E-07	4.8E-07
144	BKGN	260426.4	4022083.86	260426.4, 402	0.000480317	5.89E-04	1.7E-07	5.0E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	5.6E-09	2.8E-08	1.3E-07	8.5E-08	7.7E-08	9.1E-08	4.2E-07
145	BKGN	260485.04	4022083.86	260485.04, 40	0.000360651	5.37E-04	1.2E-07	3.8E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	4.2E-09	2.1E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	3.7E-07
146	BKGN	260543.68	4022083.86	260543.68, 40	0.000280344	4.94E-04	9.7E-08	2.9E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	3.2E-09	1.6E-08	1.1E-07	7.1E-08	6.4E-08	7.6E-08	3.4E-07
147	BKGN	260602.32	4022083.86	260602.32, 40	0.000224677	4.57E-04	7.8E-08	2.3E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	2.6E-09	1.3E-08	1.0E-07	6.6E-08	6.0E-08	7.1E-08	3.1E-07
148	BKGN	259429.52	4022127.38	259429.52, 40	0.000287056	4.10E-04	9.9E-08	3.0E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.3E-09	1.7E-08	9.1E-08	5.9E-08	5.3E-08	6.3E-08	2.9E-07
149	BKGN	259488.16	4022127.38	259488.16, 40	0.000347512	4.23E-04	1.2E-07	3.6E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	4.0E-09	2.0E-08	9.4E-08	6.1E-08	5.5E-08	6.5E-08	3.0E-07
150	BKGN	259546.8	4022127.38	259546.8, 402	0.000429485	4.40E-04	1.5E-07	4.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	5.0E-09	2.5E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.2E-07
151	BKGN	259605.44	4022127.38	259605.44, 40	0.000543326	4.63E-04	1.9E-07	5.7E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	6.3E-09	3.2E-08	1.0E-07	6.7E-08	6.0E-08	7.1E-08	3.4E-07
152	BKGN	259664.08	4022127.38	259664.08, 40	0.000706347	4.93E-04	2.4E-07	7.4E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	8.2E-09	4.1E-08	1.1E-07	7.1E-08	6.4E-08	7.6E-08	3.7E-07
153	BKGN	259722.72	4022127.38	259722.72, 40	0.000948955	5.33E-04	3.3E-07	9.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	1.1E-08	5.5E-08	1.2E-07	7.7E-08	6.9E-08	8.2E-08	4.1E-07
154	BKGN	259781.36	4022127.38	259781.36, 40	0.001325628	5.88E-04	4.6E-07	1.4E-06	6.1E-07	3.6E-07	3.2E-07	1.5E-07	1.5E-08	7.7E-08	1.3E-07	8.5E-08	7.7E-08	9.1E-08	4.7E-07
155	BKGN	259840	4022127.38	259840, 4022	0.001926109	6.69E-04	6.7E-07	2.0E-06	7.0E-07	4.0E-07	3.7E-07	1.7E-07	2.2E-08	1.1E-07	1.5E-07	9.6E-08	8.7E-08	1.0E-07	5.7E-07
156	BKGN	259898.64	4022127.38	259898.64, 40	0.003131837	8.26E-04	1.1E-06	3.3E-06	8.6E-07	5.0E-07	4.5E-07	2.1E-07	3.6E-08	1.8E-07	1.8E-07	1.2E-07	1.1E-07	1.3E-07	7.5E-07
157	BKGN	259957.28	4022127.38	259957.28, 40	0.004861628	1.17E-03	1.7E-06	5.1E-06	1.2E-06	7.1E-07	6.4E-07	2.9E-07	5.6E-08	2.8E-07	2.6E-07	1.7E-07	1.5E-07	1.8E-07	1.1E-06
158	BKGN	260015.92	4022127.38	260015.92, 40	0.005776203	1.69E-03	2.0E-06	6.0E-06	1.8E-06	1.0E-06	9.3E-07	4.2E-07	6.7E-08	3.4E-07	3.7E-07	2.4E-07	2.2E-07	2.6E-07	1.5E-06
159	BKGN	260074.56	4022127.38	260074.56, 40	0.005064765	1.85E-03	1.8E-06	5.3E-06	1.9E-06	1.1E-06	1.0E-06	4.6E-07	5.9E-08	2.9E-07	4.1E-07	2.7E-07	2.4E-07	2.9E-07	1.6E-06
160	BKGN	260133.2	4022127.38	260133.2, 402	0.003446459	1.28E-03	1.2E-06	3.6E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	4.0E-08	2.0E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.1E-06
161	BKGN	260191.84	4022127.38	260191.84, 40	0.002151762	9.32E-04	7.4E-07	2.2E-06	9.7E-07	5.6E-07	5.1E-07	2.3E-07	2.5E-08	1.3E-07	2.1E-07	1.3E-07	1.2E-07	1.4E-07	7.6E-07
162	BKGN	260250.48	4022127.38	260250.48, 40	0.00136274	7.23E-04	4.7E-07	1.4E-06	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.6E-08	7.9E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	5.6E-07
163	BKGN	260309.12	4022127.38	260309.12, 40	0.000892218	5.92E-04	3.1E-07	9.3E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	1.0E-08	5.2E-08	1.3E-07	8.5E-08	7.7E-08	9.1E-08	4.5E-07
164	BKGN	260367.76	4022127.38	260367.76, 40	0.000614003	5.06E-04	2.1E-07	6.4E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	7.1E-09	3.6E-08	1.1E-07	7.3E-08	6.6E-08	7.8E-08	3.7E-07
165	BKGN	260426.4	4022127.38	260426.4, 402	0.000443256	4.45E-04	1.5E-07	4.6E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	5.1E-09	2.6E-08	9.8E-08	6.4E-08	5.8E-08	6.9E-08	3.2E-07
166	BKGN	260485.04	4022127.38	260485.04, 40	0.000334329	4.00E-04	1.2E-07	3.5E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	3.9E-09	1.9E-08	8.8E-08	5.8E-08	5.2E-08	6.2E-08	2.8E-07
167	BKGN	260543.68	4022127.38	260543.68, 40	0.000260988	3.65E-04	9.0E-08	2.7E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.0E-09	1.5E-08	8.1E-08	5.2E-08	4.8E-08	5.6E-08	2.6E-07
168	BKGN	260602.32	4022127.38	260602.32, 40	0.000210502	3.35E-04	7.3E-08	2.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	2.4E-09	1.2E-08	7.4E-08	4.8E-08	4.4E-08	5.2E-08	2.3E-07
169	BKGN	259429.52	4022170.9	259429.52, 40	0.000313396	3.12E-04	1.1E-07	3.3E-07	3.3E-07	1.9E-07	1.7E-07	7.8E-08	3.6E-09	1.8E-08	6.9E-08	4.5E-08	4.1E-08	4.8E-08	2.2E-07
170	BKGN	259488.16	4022170.9	259488.16, 40	0.000387013	3.31E-04	1.3E-07	4.0E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	4.5E-09	2.3E-08	7.3E-08	4.8E-08	4.3E-08	5.1E-08	2.4E-07
171	BKGN	259546.8	4022170.9	259546.8, 402	0.00049166	3.56E-04	1.7E-07	5.1E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	5.7E-09	2.9E-08	7.9E-08	5.1E-08	4.6E-08	5.5E-08	2.7E-07
172	BKGN	259605.44	4022170.9	259605.44, 40	0.000645639	3.89E-04	2.2E-07	6.7E-07	4.1E-07	2.4E-07	2.1E-07	9.7E-08	7.5E-09	3.8E-08	8.6E-08	5.6E-08	5.1E-08	6.0E-08	3.0E-07
173	BKGN	259664.08	4022170.9	259664.08, 40	0.000883159	4.34E-04	3.1E-07	9.2E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.0E-08	5.1E-08	9.6E-08	6.2E-08	5.7E-08	6.7E-08	3.4E-07
174	BKGN	259722.72	4022170.9	259722.72, 40	0.001273972	4.97E-04	4.4E-07	1.3E-06	5.2E-07	3.0E-07	2.7E-07	1.2E-07	1.5E-08	7.4E-08	1.1E-07	7.1E-08	6.5E-08	7.7E-08	4.1E-07
175	BKGN	259781.36	4022170.9	259781.36, 40	0.001971721	5.84E-04	6.8E-07	2.1E-06	6.1E-07	3.5E-07	3.2E-07	1.5E-07	2.3E-08	1.1E-07	1.3E-07	8.4E-08	7.6E-08	9.0E-08	5.2E-07
176	BKGN	259840	4022170.9	259840, 4022	0.003333958	7.10E-04	1.2E-06	3.5E-06	7.4E-07	4.3E-07	3.9E-07	1.8E-07	3.9E-08	1.9E-07	1.6E-07	1.0E-07	9.3E-08	1.1E-07	6.9E-07
177	BKGN	259898.64	4022170.9	259898.64, 40	0.006621103	9.81E-04	2.3E-06	6.9E-06	1.0E-06	5.9E-07	5.4E-07	2.5E-07	7.7E-08	3.9E-07	2.2E-07	1.4E-07	1.3E-07	1.5E-07	1.1E-06
178	BKGN	259957.28	4022170.9	259957.28, 40	0.009770234	1.52E-03	3.4E-06	1.0E-05	1.6E-06	9.2E-07	8.4E-07	3.8E-07	1.1E-07	5.7E-07	3.4E-07	2.2E-07	2.0E-07	2.3E-07	1.7E-06
179	BKGN	260015.92	4022170.9	260015.92, 40	0.009969033	2.05E-03	3.5E-06	1.0E-05	2.1E-06	1.2E-06	1.1E-06	5.1E-07	1.2E-07	5.8E-07	4.5E-07	2.9E-07	2.7E-07	3.2E-07	2.0E-06
180	BKGN	260074.56	4022170.9	260074.56, 40	0.006708656	1.90E-03	2.3E-06	7.0E-06	2.0E-06	1.2E-06	1.0E-06	4.8E-07	7.8E-08	3.9E-07	4.2E-07	2.7E-07	2.5E-07	2.9E-07	1.7E-06
181	BKGN	260133.2	4022170.9	260133.2, 402	0.003709014	1.16E-03	1.3E-06	3.9E-06	1.2E-06	7.0E-07	6.4E-07	2.9E-07	4.3E-08	2.2E-07	2.6E-07	1.7E-07	1.5E-07	1.8E-07	1.0E-06
182	BKGN	260191.84	4022170.9	260191.84, 40	0.002085009	8.11E-04	7.2E-07	2.2E-06	8.5E-07	4.9E-07	4.4E-07	2.0E-07	2.4E-08	1.2E-07	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.7E-07
183	BKGN	260250.48	4022170.9	260250.48, 40	0.001259245	6.20E-04	4.4E-07	1.3E-06	6.5E-07	3.8E-07	3.4E-07	1.6E-07	1.5E-08	7.3E-08	1.4E-07	8.9E-08	8.1E-08	9.6E-08	4.9E-07
184	BKGN	260309.12	4022170.9	260309.12, 40	0.000811512	5.04E-04	2.8E-07	8.5E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	9.4E-09	4.7E-08	1.1E-07	7.2E-08	6.6E-08	7.8E-08	3.8E-07
185	BKGN	260367.76	4022170.9	260367.76, 40	0.000557881	4.28E-04	1.9E-07	5.8E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	6.4E-09	3.2E-08	9.4E-08	6.1E-08	5.6E-08	6.6E-08	3.2E-07
186	BKGN	260426.4	4022170.9	260426.4, 402	0.000405432	3.74E-04	1.4E-07	4.2E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	4.7E-09	2.4E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.7E-07
187	BKGN	260485.04	4022170.9	260485.04, 40	0.000307916	3.34E-04	1.1E-07	3.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	3.6E-09	1.8E-08	7.4E-08	4.8E-08	4.3E-08	5.1E-08	2.4E-07
188	BKGN	260543.68	4022170.9	260543.68, 40	0.000242619	3.01E-04	8.4E-08	2.5E-07	3.1E-07	1.8E-07	1.7E-07	7.5E-08	2.8E-09	1.4E-08	6.7E-08	4.3E-08	3.9E-08	4.6E-08	2.1E-07
189	BKGN	260602.32	4022170.9	260602.32, 40	0.000196478	2.74E-04	6.8E-08	2.1E-07	2.9E-07	1.7E-07	1.5E-07	6.8E-08	2.3E-09	1.1E-08	6.0E-08	3.9E-08	3.6E-08	4.2E-08	1.9E-07
190	BKGN	259429.52	4022214.42	259429.52, 40	0.000336459	2.66E-04	1.2E-07	3.5E-07	2.8E-07	1.6E-07	1.5E-07	6.7E-08	3.9E-09	2.0E-08	5.9E-08	3.8E-08	3.5E-08	4.1E-08	2.0E-07
191	BKGN	259488.16	4022214.42	259488.16, 40	0.00042253	2.88E-04	1.5E-07	4.4E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	4.9E-09	2.5E-08	6.4E-08	4.1E-08	3.8E-08	4.4E-08	2.2E-07
192	BKGN	259546.8	4022214.42	259546.8, 402	0.000549826	3.18E-04	1.9E-07	5.7E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	6.4E-09	3.2E-08	7.0E-08	4.6E-08	4.1E-08	4.9E-08	2.4E-07

193	BKGN	259605.44	4022214.42	259605.44, 4(	0.000748101	3.60E-04	2.6E-07	7.8E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	8.6E-09	4.4E-08	8.0E-08	5.2E-08	4.7E-08	5.6E-08	2.9E-07
194	BKGN	259664.08	4022214.42	259664.08, 4(	0.001078995	4.22E-04	3.7E-07	1.1E-06	4.4E-07	2.6E-07	2.3E-07	1.1E-07	1.2E-08	6.3E-08	9.3E-08	6.1E-08	5.5E-08	6.5E-08	3.5E-07
195	BKGN	259722.72	4022214.42	259722.72, 4(	0.001695179	5.17E-04	5.9E-07	1.8E-06	5.4E-07	3.1E-07	2.8E-07	1.3E-07	2.0E-08	9.9E-08	1.1E-07	7.4E-08	6.7E-08	8.0E-08	4.5E-07
196	BKGN	259781.36	4022214.42	259781.36, 4(	0.003080746	6.66E-04	1.1E-06	3.2E-06	7.0E-07	4.0E-07	3.7E-07	1.7E-07	3.6E-08	1.8E-07	1.5E-07	9.6E-08	8.7E-08	1.0E-07	6.5E-07
197	BKGN	259840	4022214.42	259840, 4022	0.007382647	9.21E-04	2.6E-06	7.7E-06	9.6E-07	5.6E-07	5.1E-07	2.3E-07	8.5E-08	4.3E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	1.1E-06
198	BKGN	259898.64	4022214.42	259898.64, 4(	0.019897615	1.63E-03	6.9E-06	2.1E-05	1.7E-06	9.9E-07	9.0E-07	4.1E-07	2.3E-07	1.2E-06	3.6E-07	2.3E-07	2.1E-07	2.5E-07	2.4E-06
199	BKGN	259957.28	4022214.42	259957.28, 4(	0.024261277	2.42E-03	8.4E-06	2.5E-05	2.5E-06	1.5E-06	1.3E-06	6.1E-07	2.8E-07	1.4E-06	5.4E-07	3.5E-07	3.2E-07	3.7E-07	3.3E-06
200	BKGN	260015.92	4022214.42	260015.92, 4(	0.018936566	2.46E-03	6.6E-06	2.0E-05	2.6E-06	1.5E-06	1.3E-06	6.2E-07	2.2E-07	1.1E-06	5.4E-07	3.5E-07	3.2E-07	3.8E-07	2.9E-06
201	BKGN	260074.56	4022214.42	260074.56, 4(	0.007809031	1.78E-03	2.7E-06	8.2E-06	1.9E-06	1.1E-06	9.8E-07	4.5E-07	9.0E-08	4.5E-07	3.9E-07	2.6E-07	2.3E-07	2.7E-07	1.7E-06
202	BKGN	260133.2	4022214.42	260133.2, 402	0.003604914	1.02E-03	1.2E-06	3.8E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	4.2E-08	2.1E-07	2.3E-07	1.5E-07	1.3E-07	1.6E-07	9.2E-07
203	BKGN	260191.84	4022214.42	260191.84, 4(	0.001891051	7.15E-04	6.5E-07	2.0E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	2.2E-08	1.1E-07	1.6E-07	1.0E-07	9.3E-08	1.1E-07	6.0E-07
204	BKGN	260250.48	4022214.42	260250.48, 4(	0.00111853	5.48E-04	3.9E-07	1.2E-06	5.7E-07	3.3E-07	3.0E-07	1.4E-07	1.3E-08	6.5E-08	1.2E-07	7.9E-08	7.1E-08	8.5E-08	4.3E-07
205	BKGN	260309.12	4022214.42	260309.12, 4(	0.000722624	4.46E-04	2.5E-07	7.6E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	8.4E-09	4.2E-08	9.9E-08	6.4E-08	5.8E-08	6.9E-08	3.4E-07
206	BKGN	260367.76	4022214.42	260367.76, 4(	0.000501993	3.78E-04	1.7E-07	5.2E-07	3.9E-07	2.3E-07	2.1E-07	9.5E-08	5.8E-09	2.9E-08	8.4E-08	5.4E-08	4.9E-08	5.8E-08	2.8E-07
207	BKGN	260426.4	4022214.42	260426.4, 402	0.000369214	3.29E-04	1.3E-07	3.9E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	4.3E-09	2.1E-08	7.3E-08	4.7E-08	4.3E-08	5.1E-08	2.4E-07
208	BKGN	260485.04	4022214.42	260485.04, 4(	0.000283238	2.92E-04	9.8E-08	3.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	3.3E-09	1.6E-08	6.5E-08	4.2E-08	3.8E-08	4.5E-08	2.1E-07
209	BKGN	260543.68	4022214.42	260543.68, 4(	0.000225289	2.61E-04	7.8E-08	2.4E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.6E-09	1.3E-08	5.8E-08	3.8E-08	3.4E-08	4.0E-08	1.9E-07
210	BKGN	260602.32	4022214.42	260602.32, 4(	0.000183531	2.35E-04	6.4E-08	1.9E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	2.1E-09	1.1E-08	5.2E-08	3.4E-08	3.1E-08	3.6E-08	1.7E-07
211	BKGN	259429.52	4022257.94	259429.52, 4(	0.000355689	2.41E-04	1.2E-07	3.7E-07	2.5E-07	1.5E-07	1.3E-07	6.0E-08	4.1E-09	2.1E-08	5.3E-08	3.5E-08	3.1E-08	3.7E-08	1.8E-07
212	BKGN	259488.16	4022257.94	259488.16, 4(	0.00045262	2.66E-04	1.6E-07	4.7E-07	2.8E-07	1.6E-07	1.5E-07	6.7E-08	5.2E-09	2.6E-08	5.9E-08	3.8E-08	3.5E-08	4.1E-08	2.0E-07
213	BKGN	259546.8	4022257.94	259546.8, 402	0.000599949	3.00E-04	2.1E-07	6.3E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	6.9E-09	3.5E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.4E-07
214	BKGN	259605.44	4022257.94	259605.44, 4(	0.000839108	3.49E-04	2.9E-07	8.8E-07	3.7E-07	2.1E-07	1.9E-07	8.7E-08	9.7E-09	4.9E-08	7.7E-08	5.0E-08	4.6E-08	5.4E-08	2.9E-07
215	BKGN	259664.08	4022257.94	259664.08, 4(	0.001264451	4.27E-04	4.4E-07	1.3E-06	4.5E-07	2.6E-07	2.3E-07	1.1E-07	1.5E-08	7.4E-08	9.4E-08	6.1E-08	5.6E-08	6.6E-08	3.7E-07
216	BKGN	259722.72	4022257.94	259722.72, 4(	0.002140814	5.61E-04	7.4E-07	2.2E-06	5.9E-07	3.4E-07	3.1E-07	1.4E-07	2.5E-08	1.2E-07	1.2E-07	8.1E-08	7.3E-08	8.7E-08	5.1E-07
217	BKGN	259781.36	4022257.94	259781.36, 4(	0.004587259	8.17E-04	1.6E-06	4.8E-06	8.5E-07	4.9E-07	4.5E-07	2.0E-07	5.3E-08	2.7E-07	1.8E-07	1.2E-07	1.1E-07	1.3E-07	8.5E-07
218	BKGN	259840	4022257.94	259840, 4022	0.021304946	1.54E-03	7.4E-06	2.2E-05	1.6E-06	9.3E-07	8.4E-07	3.8E-07	2.5E-07	1.2E-06	3.4E-07	2.2E-07	2.0E-07	2.4E-07	2.5E-06
219	BKGN	259898.64	4022257.94	259898.64, 4(	0.050383536	3.26E-03	1.7E-05	5.3E-05	3.4E-06	2.0E-06	1.8E-06	8.2E-07	5.8E-07	2.9E-06	7.2E-07	4.7E-07	4.3E-07	5.0E-07	5.6E-06
220	BKGN	259957.28	4022257.94	259957.28, 4(	0.051670435	4.04E-03	1.8E-05	5.4E-05	4.2E-06	2.4E-06	2.2E-06	1.0E-06	6.0E-07	3.0E-06	8.9E-07	5.8E-07	5.3E-07	6.2E-07	6.2E-06
221	BKGN	260015.92	4022257.94	260015.92, 4(	0.027905082	2.32E-03	9.7E-06	2.9E-05	2.4E-06	1.4E-06	1.3E-06	5.8E-07	3.2E-07	1.6E-06	5.1E-07	3.3E-07	3.0E-07	3.6E-07	3.5E-06
222	BKGN	260074.56	4022257.94	260074.56, 4(	0.007620579	1.53E-03	2.6E-06	8.0E-06	1.6E-06	9.3E-07	8.4E-07	3.8E-07	8.8E-08	4.4E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.5E-06
223	BKGN	260133.2	4022257.94	260133.2, 402	0.003182447	9.04E-04	1.1E-06	3.3E-06	9.4E-07	5.5E-07	5.0E-07	2.3E-07	3.7E-08	1.9E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	8.1E-07
224	BKGN	260191.84	4022257.94	260191.84, 4(	0.001633011	6.43E-04	5.7E-07	1.7E-06	6.7E-07	3.9E-07	3.5E-07	1.6E-07	1.9E-08	9.5E-08	1.4E-07	9.2E-08	8.4E-08	9.9E-08	5.3E-07
225	BKGN	260250.48	4022257.94	260250.48, 4(	0.000969441	4.95E-04	3.4E-07	1.0E-06	5.2E-07	3.0E-07	2.7E-07	1.2E-07	1.1E-08	5.6E-08	1.1E-07	7.1E-08	6.5E-08	7.6E-08	3.9E-07
226	BKGN	260309.12	4022257.94	260309.12, 4(	0.000637029	4.03E-04	2.2E-07	6.7E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	7.4E-09	3.7E-08	8.9E-08	5.8E-08	5.3E-08	6.2E-08	3.1E-07
227	BKGN	260367.76	4022257.94	260367.76, 4(	0.000450305	3.42E-04	1.6E-07	4.7E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	5.2E-09	2.6E-08	7.6E-08	4.9E-08	4.5E-08	5.3E-08	2.5E-07
228	BKGN	260426.4	4022257.94	260426.4, 402	0.000335832	2.97E-04	1.2E-07	3.5E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.9E-09	2.0E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
229	BKGN	260485.04	4022257.94	260485.04, 4(	0.000261055	2.61E-04	9.0E-08	2.7E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	3.0E-09	1.5E-08	5.8E-08	3.8E-08	3.4E-08	4.0E-08	1.9E-07
230	BKGN	260543.68	4022257.94	260543.68, 4(	0.000209339	2.32E-04	7.2E-08	2.2E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.4E-09	1.2E-08	5.1E-08	3.3E-08	3.0E-08	3.6E-08	1.7E-07
231	BKGN	260602.32	4022257.94	260602.32, 4(	0.000172218	2.07E-04	6.0E-08	1.8E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.0E-09	1.0E-08	4.6E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
232	BKGN	259429.52	4022301.46	259429.52, 4(	0.000370974	2.27E-04	1.3E-07	3.9E-07	2.4E-07	1.4E-07	1.2E-07	5.7E-08	4.3E-09	2.2E-08	5.0E-08	3.3E-08	3.0E-08	3.5E-08	1.7E-07
233	BKGN	259488.16	4022301.46	259488.16, 4(	0.000476528	2.55E-04	1.6E-07	5.0E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	5.5E-09	2.8E-08	5.6E-08	3.7E-08	3.3E-08	3.9E-08	2.0E-07
234	BKGN	259546.8	4022301.46	259546.8, 402	0.000639806	2.93E-04	2.2E-07	6.7E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	7.4E-09	3.7E-08	6.5E-08	4.2E-08	3.8E-08	4.5E-08	2.3E-07
235	BKGN	259605.44	4022301.46	259605.44, 4(	0.000911482	3.50E-04	3.2E-07	9.5E-07	3.7E-07	2.1E-07	1.9E-07	8.7E-08	1.1E-08	5.3E-08	7.7E-08	5.0E-08	4.6E-08	5.4E-08	2.9E-07
236	BKGN	259664.08	4022301.46	259664.08, 4(	0.001413009	4.42E-04	4.9E-07	1.5E-06	4.6E-07	2.7E-07	2.4E-07	1.1E-07	1.6E-08	8.2E-08	9.8E-08	6.4E-08	5.8E-08	6.8E-08	3.9E-07
237	BKGN	259722.72	4022301.46	259722.72, 4(	0.002501226	6.08E-04	8.7E-07	2.6E-06	6.4E-07	3.7E-07	3.3E-07	1.5E-07	2.9E-08	1.5E-07	1.3E-07	8.7E-08	7.9E-08	9.4E-08	5.7E-07
238	BKGN	259781.36	4022301.46	259781.36, 4(	0.005698219	9.72E-04	2.0E-06	6.0E-06	1.0E-06	5.9E-07	5.3E-07	2.4E-07	6.6E-08	3.3E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	1.0E-06
239	BKGN	259840	4022301.46	259840, 4022	0.025976416	2.38E-03	9.0E-06	2.7E-05	2.5E-06	1.4E-06	1.3E-06	6.0E-07	3.0E-07	1.5E-06	5.3E-07	3.4E-07	3.1E-07	3.7E-07	3.4E-06
240	BKGN	259898.64	4022301.46	259898.64, 4(	0.052084316	7.84E-03	1.8E-05	5.4E-05	8.2E-06	4.7E-06	4.3E-06	2.0E-06	6.0E-07	3.0E-06	1.7E-06	1.1E-06	1.0E-06	1.2E-06	8.7E-06
241	BKGN	259957.28	4022301.46	259957.28, 4(	0.053129179	3.76E-03	1.8E-05	5.6E-05	3.9E-06	2.3E-06	2.1E-06	9.4E-07	6.1E-07	3.1E-06	8.3E-07	5.4E-07	4.9E-07	5.8E-07	6.1E-06
242	BKGN	260015.92	4022301.46	260015.92, 4(	0.025851956	1.66E-03	8.9E-06	2.7E-05	1.7E-06	1.0E-06	9.1E-07	4.1E-07	3.0E-07	1.5E-06	3.7E-07	2.4E-07	2.2E-07	2.6E-07	2.9E-06
243	BKGN	260074.56	4022301.46	260074.56, 4(	0.006414816	1.36E-03	2.2E-06	6.7E-06	1.4E-06	8.2E-07	7.5E-07	3.4E-07	7.4E-08	3.7E-07	3.0E-07	2.0E-07	1.8E-07	2.1E-07	1.3E-06
244	BKGN	260133.2	4022301.46	260133.2, 402	0.002596083	8.21E-04	9.0E-07	2.7E-06	8.6E-07	5.0E-07	4.5E-07	2.1E-07	3.0E-08	1.5E-07	1.8E-07	1.2E-07	1.1E-07	1.3E-07	7.1E-07
245	BKGN	260191.84	4022301.46	260191.84, 4(	0.001360913	5.85E-04	4.7E-07	1.4E-06	6.1E-07	3.5E-07	3.2E-07	1.5E-07	1.6E-08	7.9E-08	1.3E-07	8.4E-08	7.6E-08	9.0E-08	4.7E-07
246	BKGN	260250.48	4022301.46	260250.48, 4(	0.000832879	4.52E-04	2.9E-07	8.7E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	9.6E-09	4.8E-08	1.0E-07	6.5E-08	5.9E-08	7.0E-08	3.5E-07
247	BKGN	260309.12	4022301.46	260309.12, 4(	0.000561445	3.70E-04	1.9E-07	5.9E-07	3.9E-07	2.2E-07	2.0E-07	9.3E-08	6.5E-09	3.3E-08	8.2E-08	5.3E-08	4.8E-08	5.7E-08	2.8E-07
248	BKGN	260367.76	4022301.46	260367.76, 4(	0.000404	3.15E-04	1.4E-07	4.2E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	4.7E-09	2.4E-08	7.0E-08	4.5E-08	4.1E-08	4.9E-08	2.3E-07
249	BKGN	260426.4	4022301.46	260426.4, 402	0.00030687	2.73E-04	1.1E-07	3.2E-07	2.8E-07	1.6E-07	1.5E-07	6.8E-08	3.5E-09	1.8E-08	6.0E-08	3.9E-08	3.6E-08	4.2E-08	2.0E-07
250	BKGN	260485.04	4022301.46	260485.04, 4(	0.000241418	2.38E-04	8.4E-08	2.5E-07	2.5E-07	1.4E-07	1.3E-07	6.0E-08	2.8E-09	1.4E-08	5.3E-08	3.4E-08	3.1E-08	3.7E-08	1.7E-07
251	BKGN	260543.68	4022301.46	260543.68, 4(	0.000195517	2.09E-04	6.8E-08	2.0E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	2.3E-09	1.1E-08	4.6E-08	3.0E-08	2.7E-08	3.2E-08	1.5E-07
252	BKGN	260602.32	4022301.46	260602.32, 4(	0.000162627	1.85E-04	5.6E-08	1.7E-07	1.9E-07	1.1E-07	1.0E-07	4.6E-08	1.9E-09	9.5E-09	4.1E-08	2.7E-08	2.4E-08	2.9E-08	1.3E-07
253	BKGN	259429.52	4022344.98	259429.52, 4(	0.000382467	2.19E-04	1.3E-07	4.0E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	4.4E-09	2.2E-08	4.9E-08	3.2E-08	2.9E-08	3.4E-08	1.7E-07
254	BKGN	259488.16	4022344.98	259488.16, 4(	0.00049336	2.50E-04	1.7E-07	5.2E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	5.7E-09	2.9E-08	5.5E-08	3.6E-08	3.3E-08	3.9E-08	2.0E-07
255	BKGN	259546.8	4022344.98	259546.8, 402	0.000666044	2.93E-04	2.3E-07	7.0E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	7.7E-09	3.9E-08	6.5E-08	4.2E-08	3.8E-08	4.5E-08	2.4E-07
256	BKGN	259605.44	4022344.98	259605.44, 4(	0.000955557	3.59E-04	3.3E-07	1.0E-06	3.8E-07	2.2E-07	2.0E-07	9.0E-08	1.1E-08	5.6E-08	7.9E-08	5.2E-08	4.7E-08	5.5E-08	3.0E-07
257	BKGN	259664.08	4022344.98	259664.08, 4(	0.001493507	4.68E-04	5.2E-07	1.6E-06	4.9E-07	2.8E-07	2.6E-07	1.2E-07	1.7E-08	8.7E-08	1.0E-07	6.7E-08	6.1E-08	7.2E-08	4.1E-07
258	BKGN	259722.72	4022344.98	259722.72, 4(	0.00265925	6.50E-04	9.2E-07	2.8E-06	6.8E-07	3.9E-07	3.6E-07	1.6E-07	3.1E-08	1.5E-07	1.4E-07	9.3E-08	8.5E-08	1.0E-07	6.1E-07
259	BKGN	259781.36	4022344.98	259781.36, 4(	0.005996161	1.03E-03	2.1E-06	6.3E-06	1.1E-06	6.2E-07	5.7E-07	2.6E-07	6.9E-08	3.5E-07	2.3E-07	1.5E-07	1.3E-07	1.6E-07	1.1E-06
260	BKGN	259840	4022344.98	259840, 4022	0.022370934	2.61E-03	7.7E-06	2.3E-05	2.7E-06	1.6E-06	1.4E-06	6.5E-07	2.6E-07	1.3E-06	5.8E-07	3.8E-07	3.4E-07	4.0E-07	3.3E-06
261	BKGN	259898.64	4022344.98	259898.64, 4(	0.048564112	8.81E-03	1.7E-05	5.1E-05	9.2E-06	5.3E-06	4.8E-06	2.2E-06	5.6E-07	2.8E-06	1.9E-06	1.3E-06	1.1E-06	1.4E-06	9.1E-06
262	BKGN	259957.28	4022344.98	259957.28, 4(	0.048938794	2.31E-03	1.7E-05	5.1E-05	2.4E-06	1.4E-06	1.3E-06	5.8E-07	5.7E-07	2.8E-06	5.1E-07	3.3E-07	3.0E-07	3.6E-07	4.9E-06
263	BKGN	260015.92	4022344.98	260015.92, 4(	0.020350735	1.38E-03	7.0E-06	2.1E-05	1.4E-06	8.3E-07	7.6E-07	3.5E-07	2.4E-07	1.2E-06	3.0E-07	2.0E-07	1.8E-07	2.1E-07	2.3E-06
264	BKGN	260074.56	4022344.98	260074.56, 4(	0.004659784	1.27E-03	1.6E-06	4.9E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	5.4E-08	2.7E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.2E-06
265	BKGN	260133.2	4022344.98	260133.2, 402	0.002017646	7.63E-04	7.0E-07	2.1E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	2.3E-08	1.2E-07	1.7E-07	1.1E-07	9.9E-08	1.2E-07	6.4E-07
266	BKGN	260191.84	4022344.98	260191.84, 4(	0.001119797	5.40E-04	3.9E-07	1.2E-06	5.6E-07	3.3E-07	3.0E-07	1.4E-07	1.3E-08	6.5E-08	1.2E-07	7.8E-08	7.0E-08	8.3E-08	4.3E-07
267	BKGN	260250.48	4022344.98	260250.48, 4(	0.000714263	4.21E-04	2.5E-07	7.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	8.3E-09	4.2E-08	9.3E-08	6.0E-08	5.5E-08	6.5E-08	3.2E-07
268	BKGN	260309.12	4022344.98	260309.12, 4(	0.000496119	3.48E-04	1.7E-07	5.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	5.7E-09	2.9E-08	7.7E-08	5.0E-08	4.5E-08	5.4E-08	2.6E-07
269	BKGN	260367.76	4022344.98	260367.76, 4(	0.000366458	2.96E-04	1.3E-07	3.8E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	4.2E-09	2.1E-08	6.5E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
270	BKGN	260426.4	4022344.98	260426.4, 402	0.000282354	2.54E-04	9.8E-08	3.0E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	3.3E-09	1.6E-08	5.6E-08	3.7E-08	3.3E-08	3.9E-08	1.8E-07
271	BKGN	260485.04	4022344.98	260485.04, 4(	0.000224656	2.19E-04	7.8E-08	2.3E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	2.6E-09	1.3E-08	4.8E-08	3.2E-08	2.9E-08	3.4E-08	1.6E-07
272	BKGN	260543.68	4022344.98	260543.68, 4(	0.000184241	1.90E-04	6.4E-08	1.9E-07	2.0E-07	1.2E-07	1.0E-07	4.8E-08	2.1E-09	1.1E-08	4.2E-08	2.7E-08	2.5E-08	2.9E-08	1.4E-07
273	BKGN	260602.32	4022344.98	260602.32, 4(	0.000154113	1.67E-04	5.3E-08	1.6E-07	1.7E-07	1.0E-07	9.2E-08	4.2E-08	1.8E-09	9.0E-09	3.7E-08	2.4E-08	2.2E-08	2.6E-08	1.2E-07
274	BKGN	259429.52	4022388.5	259429.52, 4(	0.000390427	2.15E-04	1.4E-07	4.1E-07	2.3E-07	1.3E-07	1.2E-07	5.4E-08	4.5E-09	2.3E-08	4.8E-08	3.1E-08	2.8E-08	3.3E-08	1.7E-07
275	BKGN	259488.16	4022388.5	259488.16, 4(	0.000503446	2.51E-04	1.7E-07	5.3E-07	2.6E-07	1.5E-07	1.4E-07	6.3E-08	5.8E-09	2.9E-08	5.5E-08	3.6E-08	3.3E-08	3.9E-08	2.0E-07
276	BKGN	259546.8	4022388.5	259546.8, 402	0.000678271	3.00E-04	2.3E-07	7.1E-07	3.1E-07	1.8E-07	1.6E-07	7.5E-08	7.8E-09	3.9E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.4E-07
277	BKGN	259605.44	4022388.5	259605.44, 4(	0.000967061	3.80E-04	3.3E-07	1.0E-06	4.0E-07	2.3E-07	2.1E-07	9.5E-08	1.1E-08	5.6E-08	8.4E-08	5.5E-08	5.0E-08	5.9E-08	3.1E-07
278	BKGN	259664.08	4022388.5	259664.08, 4(	0.001487932	5.09E-04	5.2E-07	1.6E-06	5.3E-07	3.1E-07	2.8E-07	1.3E-07	1.7E-08	8.7E-08	1.1E-07	7.3E-08	6.6E-08	7.9E-08	4.3E-07
279	BKGN	259722.72	4022388.5	259722.72, 4(	0.002565236	6.81E-04	8.9E-07	2.7E-06	7.1E-07	4.1E-07	3.7E-07	1.7E-07	3.0E-08	1.5E-07	1.5E-07	9.8E-08	8.9E-08	1.1E-07	6.2E-07
280	BKGN	259781.36	4022388.5	259781.36, 4(	0.005492321	9.76E-04	1.9E-06	5.7E-06	1.0E-06	5.9E-07	5.4E-07	2.4E-07	6.3E-08	3.2E-07	2.2E-07	1.4E-07	1.3E-07	1.5E-07	1.0E-06
281	BKGN	259840	4022388.5	259840, 4022	0.021866962	1.74E-03	7.6E-06	2.3E-05	1.8E-06	1.1E-06	9.5E-07	4.4E-07	2.5E-07	1.3E-06	3.8E-07	2.5E-07	2.3E-07	2.7E-07	2.7E-06
282	BKGN	259898.64	4022388.5	259898.64, 4(	0.03624442	2.75E-03	1.3E-05	3.8E-05	2.9E-06	1.7E-06	1.5E-06	6.9E-07	4.2E-07	2.1E-06	6.1E-07	4.0E-07	3.6E-07	4.2E-07	4.3E-06
283	BKGN	259957.28	4022388.5	259957.28, 4(	0.035981031	1.64E-03	1.2E-05	3.8E-05	1.7E-06	9.9E-07	9.0E-07	4.1E-07	4.2E-07	2.1E-06	3.6E-07	2.4E-07	2.1E-07	2.5E-07	3.6E-06
284	BKGN	260015.92	4022388.5	260015.92, 4(	0.011315292	1.28E-03	3.9E-06	1.2E-05	1.3E-06	7.8E-07	7.0E-07	3.2E-07	1.3E-07	6.6E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.6E-06
285	BKGN	260074.56	4022388.5	260074.56, 4(	0.003086705	1.25E-03	1.1E-06	3.2E-06	1.3E-06	7.6E-07	6.9E-07	3.1E-07	3.6E-08	1.8E-07	2.8E-07	1.8E-07	1.6E-07	1.9E-07	1.0E-06
286	BKGN	260133.2	4022388.5	260133.2, 402	0.001560535	7.22E-04	5.4E-07	1.6E-06	7.5E-07	4.4E-07	4.0E-07	1.8E-07	1.8E-08	9.1E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	5.8E-07
287	BKGN	260191.84	4022388.5	260191.84, 4(	0.000925069	5.12E-04	3.2E-07	9.7E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	1.1E-08	5.4E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	4.0E-07
288	BKGN	260250.48	4022388.5	260250.48, 4(	0.000614516	4.05E-04	2.1E-07	6.4E-07	4.2E-07	2.5E-07	2.2E-07	1.0E-07	7.1E-09	3.6E-08	9.0E-08	5.8E-08	5.3E-08	6.3E-08	3.1E-07
289	BKGN	260309.12	4022388.5	260309.12, 4(	0.000439823	3.37E-04	1.5E-07	4.6E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	5.1E-09	2.6E-08	7.4E-08	4.8E-08	4.4E-08	5.2E-08	2.5E-07
290	BKGN	260367.76	4022388.5	260367.76, 4(	0.00033178	2.85E-04	1.1E-07	3.5E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	3.8E-09	1.9E-08	6.3E-08	4.1E-08	3.7E-08	4.4E-08	2.1E-07
291	BKGN	260426.4	4022388.5	260426.4, 402	0.000259725	2.41E-04	9.0E-08	2.7E-07	2.5E-07	1.5E-07	1.3E-07	6.0E-08	3.0E-09	1.5E-08	5.3E-08	3.5E-08	3.1E-08	3.7E-08	1.7E-07
292	BKGN	260485.04	4022388.5	260485.04, 4(	0.000210313	2.03E-04	7.3E-08	2.2E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	4.5E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
293	BKGN	260543.68	4022388.5	260543.68, 4(	0.000173902	1.74E-04	6.0E-08	1.8E-07	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.0E-09	1.0E-08	3.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07

294	BKGN	260602.32	4022388.5	260602.32, 40	0.000147031	1.53E-04	5.1E-08	1.5E-07	1.6E-07	9.3E-08	8.4E-08	3.8E-08	1.7E-09	8.6E-09	3.4E-08	2.2E-08	2.0E-08	2.4E-08	1.1E-07
295	BKGN	259429.52	4022432.02	259429.52, 40	0.000394462	2.12E-04	1.4E-07	4.1E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	4.6E-09	2.3E-08	4.7E-08	3.0E-08	2.8E-08	3.3E-08	1.7E-07
296	BKGN	259488.16	4022432.02	259488.16, 40	0.000506171	2.54E-04	1.8E-07	5.3E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	5.9E-09	2.9E-08	5.6E-08	3.7E-08	3.3E-08	3.9E-08	2.0E-07
297	BKGN	259546.8	4022432.02	259546.8, 402	0.000675156	3.18E-04	2.3E-07	7.1E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	7.8E-09	3.9E-08	7.0E-08	4.6E-08	4.1E-08	4.9E-08	2.5E-07
298	BKGN	259605.44	4022432.02	259605.44, 40	0.000944193	4.43E-04	3.3E-07	9.9E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	1.1E-08	5.5E-08	9.8E-08	6.4E-08	5.8E-08	6.8E-08	3.5E-07
299	BKGN	259664.08	4022432.02	259664.08, 40	0.001402691	6.00E-04	4.9E-07	1.5E-06	6.3E-07	3.6E-07	3.3E-07	1.5E-07	1.6E-08	8.2E-08	1.3E-07	8.6E-08	7.8E-08	9.3E-08	4.9E-07
300	BKGN	259722.72	4022432.02	259722.72, 40	0.002275187	7.40E-04	7.9E-07	2.4E-06	7.7E-07	4.5E-07	4.1E-07	1.9E-07	2.6E-08	1.3E-07	1.6E-07	1.1E-07	9.6E-08	1.1E-07	6.4E-07
301	BKGN	259781.36	4022432.02	259781.36, 40	0.004284146	9.51E-04	1.5E-06	4.5E-06	9.9E-07	5.8E-07	5.2E-07	2.4E-07	5.0E-08	2.5E-07	2.1E-07	1.4E-07	1.2E-07	1.5E-07	9.2E-07
302	BKGN	259840	4022432.02	259840, 4022	0.010088183	1.32E-03	3.5E-06	1.1E-05	1.4E-06	8.0E-07	7.3E-07	3.3E-07	1.2E-07	5.9E-07	2.9E-07	1.9E-07	1.7E-07	2.0E-07	1.6E-06
303	BKGN	259898.64	4022432.02	259898.64, 40	0.01359437	1.66E-03	4.7E-06	1.4E-05	1.7E-06	1.0E-06	9.1E-07	4.1E-07	1.6E-07	7.9E-07	3.7E-07	2.4E-07	2.2E-07	2.6E-07	2.0E-06
304	BKGN	259957.28	4022432.02	259957.28, 40	0.011441575	1.53E-03	4.0E-06	1.2E-05	1.6E-06	9.3E-07	8.4E-07	3.8E-07	1.3E-07	6.7E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.8E-06
305	BKGN	260015.92	4022432.02	260015.92, 40	0.004715568	1.57E-03	1.6E-06	4.9E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	5.5E-08	2.7E-07	3.5E-07	2.3E-07	2.0E-07	2.4E-07	1.3E-06
306	BKGN	260074.56	4022432.02	260074.56, 40	0.00208958	1.34E-03	7.2E-07	2.2E-06	1.4E-06	8.1E-07	7.3E-07	3.3E-07	2.4E-08	1.2E-07	3.0E-07	1.9E-07	1.7E-07	2.1E-07	1.0E-06
307	BKGN	260133.2	4022432.02	260133.2, 402	0.001227369	6.86E-04	4.2E-07	1.3E-06	7.2E-07	4.1E-07	3.8E-07	1.7E-07	1.4E-08	7.1E-08	1.5E-07	9.9E-08	8.9E-08	1.1E-07	5.3E-07
308	BKGN	260191.84	4022432.02	260191.84, 40	0.000775509	5.03E-04	2.7E-07	8.1E-07	5.3E-07	3.0E-07	2.8E-07	1.3E-07	9.0E-09	4.5E-08	1.1E-07	7.2E-08	6.6E-08	7.8E-08	3.8E-07
309	BKGN	260250.48	4022432.02	260250.48, 40	0.000532556	4.04E-04	1.8E-07	5.6E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	6.2E-09	3.1E-08	8.9E-08	5.8E-08	5.3E-08	6.2E-08	3.0E-07
310	BKGN	260309.12	4022432.02	260309.12, 40	0.000389737	3.35E-04	1.3E-07	4.1E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	4.5E-09	2.3E-08	7.4E-08	4.8E-08	4.4E-08	5.2E-08	2.4E-07
311	BKGN	260367.76	4022432.02	260367.76, 40	0.000299307	2.79E-04	1.0E-07	3.1E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.5E-09	1.7E-08	6.2E-08	4.0E-08	3.6E-08	4.3E-08	2.0E-07
312	BKGN	260426.4	4022432.02	260426.4, 402	0.000238491	2.28E-04	8.3E-08	2.5E-07	2.4E-07	1.4E-07	1.3E-07	5.7E-08	2.8E-09	1.4E-08	5.0E-08	3.3E-08	3.0E-08	3.5E-08	1.6E-07
313	BKGN	260485.04	4022432.02	260485.04, 40	0.000195668	1.89E-04	6.8E-08	2.0E-07	2.0E-07	1.1E-07	1.0E-07	4.7E-08	2.3E-09	1.1E-08	4.2E-08	2.7E-08	2.5E-08	2.9E-08	1.4E-07
314	BKGN	260543.68	4022432.02	260543.68, 40	0.000163665	1.61E-04	5.7E-08	1.7E-07	1.7E-07	9.8E-08	8.8E-08	4.0E-08	1.9E-09	9.5E-09	3.6E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
315	BKGN	260602.32	4022432.02	260602.32, 40	0.000139619	1.42E-04	4.8E-08	1.5E-07	1.5E-07	8.6E-08	7.8E-08	3.6E-08	1.6E-09	8.1E-09	3.1E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
316	BKGN	259429.52	4022475.54	259429.52, 40	0.00039306	2.07E-04	1.4E-07	4.1E-07	2.2E-07	1.3E-07	1.1E-07	5.2E-08	4.5E-09	2.3E-08	4.6E-08	3.0E-08	2.7E-08	3.2E-08	1.6E-07
317	BKGN	259488.16	4022475.54	259488.16, 40	0.000499427	2.61E-04	1.7E-07	5.2E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	5.8E-09	2.9E-08	5.8E-08	3.8E-08	3.4E-08	4.0E-08	2.0E-07
318	BKGN	259546.8	4022475.54	259546.8, 402	0.000654748	3.82E-04	2.3E-07	6.8E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	7.6E-09	3.8E-08	8.4E-08	5.5E-08	5.0E-08	5.9E-08	2.9E-07
319	BKGN	259605.44	4022475.54	259605.44, 40	0.000889787	7.11E-04	3.1E-07	9.3E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	1.0E-08	5.2E-08	1.6E-07	1.0E-07	9.3E-08	1.1E-07	5.2E-07
320	BKGN	259664.08	4022475.54	259664.08, 40	0.001260466	8.36E-04	4.4E-07	1.3E-06	8.7E-07	5.1E-07	4.6E-07	2.1E-07	1.5E-08	7.3E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.3E-07
321	BKGN	259722.72	4022475.54	259722.72, 40	0.001892907	9.43E-04	6.6E-07	2.0E-06	9.9E-07	5.7E-07	5.2E-07	2.4E-07	2.2E-08	1.1E-07	2.1E-07	1.4E-07	1.2E-07	1.5E-07	7.4E-07
322	BKGN	259781.36	4022475.54	259781.36, 40	0.003049697	1.20E-03	1.1E-06	3.2E-06	1.2E-06	7.2E-07	6.6E-07	3.0E-07	3.5E-08	1.8E-07	2.6E-07	1.7E-07	1.6E-07	1.8E-07	9.9E-07
323	BKGN	259840	4022475.54	259840, 4022	0.004775786	1.81E-03	1.7E-06	5.0E-06	1.9E-06	1.1E-06	9.9E-07	4.5E-07	5.5E-08	2.8E-07	4.0E-07	2.6E-07	2.4E-07	2.8E-07	1.5E-06
324	BKGN	259898.64	4022475.54	259898.64, 40	0.005392964	1.65E-03	1.9E-06	5.6E-06	1.7E-06	1.0E-06	9.1E-07	4.1E-07	6.2E-08	3.1E-07	3.7E-07	2.4E-07	2.2E-07	2.6E-07	1.4E-06
325	BKGN	259957.28	4022475.54	259957.28, 40	0.004417967	1.45E-03	1.5E-06	4.6E-06	1.5E-06	8.8E-07	8.0E-07	3.6E-07	5.1E-08	2.6E-07	3.2E-07	2.1E-07	1.9E-07	2.2E-07	1.3E-06
326	BKGN	260015.92	4022475.54	260015.92, 40	0.002573383	1.50E-03	8.9E-07	2.7E-06	1.6E-06	9.1E-07	8.2E-07	3.8E-07	3.0E-08	1.5E-07	3.3E-07	2.2E-07	2.0E-07	2.3E-07	1.2E-06
327	BKGN	260074.56	4022475.54	260074.56, 40	0.00147451	1.36E-03	5.1E-07	1.5E-06	1.4E-06	8.3E-07	7.5E-07	3.4E-07	1.7E-08	8.6E-08	3.0E-07	2.0E-07	1.8E-07	2.1E-07	9.9E-07
328	BKGN	260133.2	4022475.54	260133.2, 402	0.000982244	6.94E-04	3.4E-07	1.0E-06	7.3E-07	4.2E-07	3.8E-07	1.7E-07	1.1E-08	5.7E-08	1.5E-07	1.0E-07	9.0E-08	1.1E-07	5.2E-07
329	BKGN	260191.84	4022475.54	260191.84, 40	0.000656015	5.20E-04	2.3E-07	6.9E-07	5.4E-07	3.1E-07	2.9E-07	1.3E-07	7.6E-09	3.8E-08	1.1E-07	7.5E-08	6.8E-08	8.0E-08	3.8E-07
330	BKGN	260250.48	4022475.54	260250.48, 40	0.000466526	4.16E-04	1.6E-07	4.9E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	5.4E-09	2.7E-08	9.2E-08	6.0E-08	5.4E-08	6.4E-08	3.0E-07
331	BKGN	260309.12	4022475.54	260309.12, 40	0.000348166	3.42E-04	1.2E-07	3.6E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	4.0E-09	2.0E-08	7.6E-08	4.9E-08	4.5E-08	5.3E-08	2.5E-07
332	BKGN	260367.76	4022475.54	260367.76, 40	0.000270763	2.72E-04	9.4E-08	2.8E-07	2.8E-07	1.6E-07	1.5E-07	6.8E-08	3.1E-09	1.6E-08	6.0E-08	3.9E-08	3.5E-08	4.2E-08	2.0E-07
333	BKGN	260426.4	4022475.54	260426.4, 402	0.000217892	2.13E-04	7.5E-08	2.3E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	2.5E-09	1.3E-08	4.7E-08	3.1E-08	2.8E-08	3.3E-08	1.5E-07
334	BKGN	260485.04	4022475.54	260485.04, 40	0.000180719	1.74E-04	6.3E-08	1.9E-07	1.8E-07	1.1E-07	9.6E-08	4.4E-08	2.1E-09	1.1E-08	3.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07
335	BKGN	260543.68	4022475.54	260543.68, 40	0.00015291	1.50E-04	5.3E-08	1.6E-07	1.6E-07	9.1E-08	8.2E-08	3.7E-08	1.8E-09	8.9E-09	3.3E-08	2.2E-08	2.0E-08	2.3E-08	1.1E-07
336	BKGN	260602.32	4022475.54	260602.32, 40	0.000131676	1.32E-04	4.6E-08	1.4E-07	1.4E-07	8.0E-08	7.3E-08	3.3E-08	1.5E-09	7.7E-09	2.9E-08	1.9E-08	1.7E-08	2.0E-08	9.5E-08
337	BKGN	259429.52	4022519.06	259429.52, 40	0.000386659	1.99E-04	1.3E-07	4.0E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	4.5E-09	2.2E-08	4.4E-08	2.9E-08	2.6E-08	3.1E-08	1.6E-07
338	BKGN	259488.16	4022519.06	259488.16, 40	0.000481715	2.60E-04	1.7E-07	5.0E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	5.6E-09	2.8E-08	5.8E-08	3.7E-08	3.4E-08	4.0E-08	2.0E-07
339	BKGN	259546.8	4022519.06	259546.8, 402	0.000616052	5.65E-04	2.1E-07	6.4E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	7.1E-09	3.6E-08	1.2E-07	8.1E-08	7.4E-08	8.7E-08	4.1E-07
340	BKGN	259605.44	4022519.06	259605.44, 40	0.000805282	9.48E-04	2.8E-07	8.4E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	9.3E-09	4.7E-08	2.1E-07	1.4E-07	1.2E-07	1.5E-07	6.7E-07
341	BKGN	259664.08	4022519.06	259664.08, 40	0.00108645	1.08E-03	3.8E-07	1.1E-06	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.3E-08	6.3E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.8E-07
342	BKGN	259722.72	4022519.06	259722.72, 40	0.001509934	9.93E-04	5.2E-07	1.6E-06	1.0E-06	6.0E-07	5.4E-07	2.5E-07	1.7E-08	8.8E-08	2.2E-07	1.4E-07	1.3E-07	1.5E-07	7.5E-07
343	BKGN	259781.36	4022519.06	259781.36, 40	0.002164708	1.27E-03	7.5E-07	2.3E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	2.5E-08	1.3E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	9.8E-07
344	BKGN	259840	4022519.06	259840, 4022	0.002862496	1.05E-03	9.9E-07	3.0E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	3.3E-08	1.7E-07	2.3E-07	1.5E-07	1.4E-07	1.6E-07	8.8E-07
345	BKGN	259898.64	4022519.06	259898.64, 40	0.003083135	8.77E-04	1.1E-06	3.2E-06	9.2E-07	5.3E-07	4.8E-07	2.2E-07	3.6E-08	1.8E-07	1.9E-07	1.3E-07	1.1E-07	1.4E-07	7.8E-07
346	BKGN	259957.28	4022519.06	259957.28, 40	0.002610483	7.65E-04	9.0E-07	2.7E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	3.0E-08	1.5E-07	1.7E-07	1.1E-07	1.0E-07	1.2E-07	6.8E-07
347	BKGN	260015.92	4022519.06	260015.92, 40	0.001757436	8.00E-04	6.1E-07	1.8E-06	8.4E-07	4.8E-07	4.4E-07	2.0E-07	2.0E-08	1.0E-07	1.8E-07	1.2E-07	1.0E-07	1.2E-07	6.4E-07
348	BKGN	260074.56	4022519.06	260074.56, 40	0.001068225	1.06E-03	3.7E-07	1.1E-06	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.2E-08	6.2E-08	2.4E-07	1.5E-07	1.4E-07	1.6E-07	7.7E-07
349	BKGN	260133.2	4022519.06	260133.2, 402	0.000789222	8.35E-04	2.7E-07	8.2E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	9.1E-09	4.6E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
350	BKGN	260191.84	4022519.06	260191.84, 40	0.000560047	5.86E-04	1.9E-07	5.9E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	6.5E-09	3.3E-08	1.3E-07	8.4E-08	7.6E-08	9.0E-08	4.2E-07
351	BKGN	260250.48	4022519.06	260250.48, 40	0.000411116	4.56E-04	1.4E-07	4.3E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.8E-09	2.4E-08	1.0E-07	6.6E-08	5.9E-08	7.0E-08	3.3E-07
352	BKGN	260309.12	4022519.06	260309.12, 40	0.000313096	3.59E-04	1.1E-07	3.3E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.6E-09	1.8E-08	7.9E-08	5.2E-08	4.7E-08	5.5E-08	2.6E-07
353	BKGN	260367.76	4022519.06	260367.76, 40	0.000246059	2.58E-04	8.5E-08	2.6E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.8E-09	1.4E-08	5.7E-08	3.7E-08	3.4E-08	4.0E-08	1.8E-07
354	BKGN	260426.4	4022519.06	260426.4, 402	0.000199535	1.95E-04	6.9E-08	2.1E-07	2.0E-07	1.2E-07	1.1E-07	4.9E-08	2.3E-09	1.2E-08	4.3E-08	2.8E-08	2.5E-08	3.0E-08	1.4E-07
355	BKGN	260485.04	4022519.06	260485.04, 40	0.000166404	1.61E-04	5.8E-08	1.7E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	1.9E-09	9.7E-09	3.6E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
356	BKGN	260543.68	4022519.06	260543.68, 40	0.000141585	1.40E-04	4.9E-08	1.5E-07	1.5E-07	8.4E-08	7.7E-08	3.5E-08	1.6E-09	8.2E-09	3.1E-08	2.0E-08	1.8E-08	2.2E-08	1.0E-07
357	BKGN	260602.32	4022519.06	260602.32, 40	0.000122822	1.24E-04	4.3E-08	1.3E-07	1.3E-07	7.5E-08	6.8E-08	3.1E-08	1.4E-09	7.1E-09	2.7E-08	1.8E-08	1.6E-08	1.9E-08	8.9E-08
358	BKGN	259429.52	4022562.58	259429.52, 40	0.000373087	1.89E-04	1.3E-07	3.9E-07	2.0E-07	1.1E-07	1.0E-07	4.7E-08	4.3E-09	2.2E-08	4.2E-08	2.7E-08	2.5E-08	2.9E-08	1.5E-07
359	BKGN	259488.16	4022562.58	259488.16, 40	0.000455368	2.39E-04	1.6E-07	4.8E-07	2.5E-07	1.4E-07	1.3E-07	6.0E-08	5.3E-09	2.6E-08	5.3E-08	3.4E-08	3.1E-08	3.7E-08	1.9E-07
360	BKGN	259546.8	4022562.58	259546.8, 402	0.000565758	3.51E-04	2.0E-07	5.9E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	6.5E-09	3.3E-08	7.8E-08	5.0E-08	4.6E-08	5.4E-08	2.7E-07
361	BKGN	259605.44	4022562.58	259605.44, 40	0.000714868	4.97E-04	2.5E-07	7.5E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	8.3E-09	4.2E-08	1.1E-07	7.1E-08	6.5E-08	7.7E-08	3.7E-07
362	BKGN	259664.08	4022562.58	259664.08, 40	0.000919639	5.87E-04	3.2E-07	9.6E-07	6.1E-07	3.6E-07	3.2E-07	1.5E-07	1.1E-08	5.3E-08	1.3E-07	8.4E-08	7.6E-08	9.1E-08	4.5E-07
363	BKGN	259722.72	4022562.58	259722.72, 40	0.001205564	6.35E-04	4.2E-07	1.3E-06	6.6E-07	3.8E-07	3.5E-07	1.6E-07	1.4E-08	7.0E-08	1.4E-07	9.1E-08	8.3E-08	9.8E-08	5.0E-07
364	BKGN	259781.36	4022562.58	259781.36, 40	0.001572299	6.32E-04	5.4E-07	1.6E-06	6.6E-07	3.8E-07	3.5E-07	1.6E-07	1.8E-08	9.1E-08	1.4E-07	9.1E-08	8.2E-08	9.7E-08	5.2E-07
365	BKGN	259840	4022562.58	259840, 4022	0.001879131	6.15E-04	6.5E-07	2.0E-06	6.4E-07	3.7E-07	3.4E-07	1.5E-07	2.2E-08	1.1E-07	1.4E-07	8.8E-08	8.0E-08	9.5E-08	5.3E-07
366	BKGN	259898.64	4022562.58	259898.64, 40	0.001924896	5.93E-04	6.7E-07	2.0E-06	6.2E-07	3.6E-07	3.3E-07	1.5E-07	2.2E-08	1.1E-07	1.3E-07	8.5E-08	7.7E-08	9.2E-08	5.2E-07
367	BKGN	259957.28	4022562.58	259957.28, 40	0.001662318	5.57E-04	5.8E-07	1.7E-06	5.8E-07	3.4E-07	3.1E-07	1.4E-07	1.9E-08	9.7E-08	1.2E-07	8.0E-08	7.3E-08	8.6E-08	4.8E-07
368	BKGN	260015.92	4022562.58	260015.92, 40	0.001236142	5.77E-04	4.3E-07	1.3E-06	6.0E-07	3.5E-07	3.2E-07	1.4E-07	1.4E-08	7.2E-08	1.3E-07	8.3E-08	7.5E-08	8.9E-08	4.6E-07
369	BKGN	260074.56	4022562.58	260074.56, 40	0.000866048	8.35E-04	3.0E-07	9.1E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	1.0E-08	5.0E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
370	BKGN	260133.2	4022562.58	260133.2, 402	0.000640804	1.45E-03	2.2E-07	6.7E-07	1.5E-06	8.8E-07	7.9E-07	3.6E-07	7.4E-09	3.7E-08	3.2E-07	2.1E-07	1.9E-07	2.2E-07	9.9E-07
371	BKGN	260191.84	4022562.58	260191.84, 40	0.000481077	7.88E-04	1.7E-07	5.0E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	5.6E-09	2.8E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.5E-07
372	BKGN	260250.48	4022562.58	260250.48, 40	0.000365197	5.68E-04	1.3E-07	3.8E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	4.2E-09	2.1E-08	1.3E-07	8.2E-08	7.4E-08	8.8E-08	3.9E-07
373	BKGN	260309.12	4022562.58	260309.12, 40	0.000284195	3.81E-04	9.8E-08	3.0E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	3.3E-09	1.7E-08	8.4E-08	5.5E-08	5.0E-08	5.9E-08	2.7E-07
374	BKGN	260367.76	4022562.58	260367.76, 40	0.000226281	2.31E-04	7.8E-08	2.4E-07	2.4E-07	1.4E-07	1.3E-07	5.8E-08	2.6E-09	1.3E-08	5.1E-08	3.3E-08	3.0E-08	3.6E-08	1.7E-07
375	BKGN	260426.4	4022562.58	260426.4, 402	0.000184573	1.77E-04	6.4E-08	1.9E-07	1.8E-07	1.1E-07	9.7E-08	4.4E-08	2.1E-09	1.1E-08	3.9E-08	2.5E-08	2.3E-08	2.7E-08	1.3E-07
376	BKGN	260485.04	4022562.58	260485.04, 40	0.000154243	1.49E-04	5.3E-08	1.6E-07	1.6E-07	9.0E-08	8.2E-08	3.7E-08	1.8E-09	9.0E-09	3.3E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
377	BKGN	260543.68	4022562.58	260543.68, 40	0.000131236	1.30E-04	4.5E-08	1.4E-07	1.4E-07	7.9E-08	7.2E-08	3.3E-08	1.5E-09	7.6E-09	2.9E-08	1.9E-08	1.7E-08	2.0E-08	9.4E-08
378	BKGN	260602.32	4022562.58	260602.32, 40	0.000114284	1.17E-04	4.0E-08	1.2E-07	1.2E-07	7.1E-08	6.4E-08	2.9E-08	1.3E-09	6.6E-09	2.6E-08	1.7E-08	1.5E-08	1.8E-08	8.4E-08
379	BKGN	259429.52	4022606.1	259429.52, 40	0.000353333	1.75E-04	1.2E-07	3.7E-07	1.8E-07	1.1E-07	9.6E-08	4.4E-08	4.1E-09	2.1E-08	3.9E-08	2.5E-08	2.3E-08	2.7E-08	1.4E-07
380	BKGN	259488.16	4022606.1	259488.16, 40	0.000421448	2.11E-04	1.5E-07	4.4E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	4.9E-09	2.5E-08	4.7E-08	3.0E-08	2.8E-08	3.3E-08	1.7E-07
381	BKGN	259546.8	4022606.1	259546.8, 402	0.000508974	2.67E-04	1.8E-07	5.3E-07	2.8E-07	1.6E-07	1.5E-07	6.7E-08	5.9E-09	3.0E-08	5.9E-08	3.8E-08	3.5E-08	4.1E-08	2.1E-07
382	BKGN	259605.44	4022606.1	259605.44, 40	0.000622703	3.27E-04	2.2E-07	6.5E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	7.2E-09	3.6E-08	7.2E-08	4.7E-08	4.3E-08	5.0E-08	2.6E-07
383	BKGN	259664.08	4022606.1	259664.08, 40	0.000773081	3.75E-04	2.7E-07	8.1E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	8.9E-09	4.5E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	3.0E-07
384	BKGN	259722.72	4022606.1	259722.72, 40	0.000971429	4.09E-04	3.4E-07	1.0E-06	4.3E-07	2.5E-07	2.2E-07	1.0E-07	1.1E-08	5.7E-08	9.1E-08	5.9E-08	5.3E-08	6.3E-08	3.3E-07
385	BKGN	259781.36	4022606.1	259781.36, 40	0.001198378	4.35E-04	4.1E-07	1.3E-06	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.4E-08	7.0E-08	9.6E-08	6.3E-08	5.7E-08	6.7E-08	3.7E-07
386	BKGN	259840	4022606.1	259840, 4022	0.001349687	4.48E-04	4.7E-07	1.4E-06	4.7E-07	2.7E-07	2.5E-07	1.1E-07	1.6E-08	7.9E-08	9.9E-08	6.4E-08	5.8E-08	6.9E-08	3.8E-07
387	BKGN	259898.64	4022606.1	259898.64, 40	0.001335515	4.45E-04	4.6E-07	1.4E-06	4.7E-07	2.7E-07	2.4E-07	1.1E-07	1.5E-08	7.8E-08	9.8E-08	6.4E-08	5.8E-08	6.9E-08	3.8E-07
388	BKGN	259957.28	4022606.1	259957.28, 40	0.001151085	4.31E-04	4.0E-07	1.2E-06	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.3E-08	6.7E-08	9.5E-08	6.2E-08	5.6E-08	6.7E-08	3.6E-07
389	BKGN	260015.92	4022606.1	260015.92, 40	0.000915636	4.40E-04	3.2E-07	9.6E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	1.1E-08	5.3E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.5E-07
390	BKGN	260074.56	4022606.1	260074.56, 40	0.000692936	5.15E-04	2.4E-07	7.2E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	8.0E-09	4.0E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	3.8E-07
391	BKGN	260133.2	4022606.1	260133.2, 402	0.000537579	7.60E-04	1.9E-07	5.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	6.2E-09	3.1E-08	1.7E-07	1.1E-07	9.9E-08	1.2E-07	5.3E-07
392	BKGN	260191.84	4022606.1	260191.84, 40	0.000411413	8.94E-04	1.4E-07	4.3E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	4.8E-09	2.4E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.1E-07
393	BKGN	260250.48	4022606.1	260250.48, 40	0.000322828	1.02E-03	1.1E-07	3.4E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	3.7E-09	1.9E-08	2.3E-07	1.5E-07	1.3E-07	1.6E-07	6.8E-07
394	BKGN	260309.12	4022606.1	260309.12, 40	0.000258221	3.32E-04	8.9E-08	2.7E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	3.0E-09	1.5E-08	7.3E-08	4.8E-08	4.3E-08	5.1E-08	2.3E-07

395	BKGN	260367.76	4022606.1	260367.76, 40	0.000209861	2.03E-04	7.3E-08	2.2E-07	2.1E-07	1.2E-07	1.1E-07	5.1E-08	2.4E-09	1.2E-08	4.5E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
396	BKGN	260426.4	4022606.1	260426.4, 402	0.00017298	1.61E-04	6.0E-08	1.8E-07	1.7E-07	9.8E-08	8.9E-08	4.0E-08	2.0E-09	1.0E-08	3.6E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
397	BKGN	260485.04	4022606.1	260485.04, 40	0.000144728	1.38E-04	5.0E-08	1.5E-07	1.4E-07	8.4E-08	7.6E-08	3.5E-08	1.7E-09	8.4E-09	3.1E-08	2.0E-08	1.8E-08	2.1E-08	1.0E-07
398	BKGN	260543.68	4022606.1	260543.68, 40	0.000123381	1.22E-04	4.3E-08	1.3E-07	1.3E-07	7.4E-08	6.7E-08	3.0E-08	1.4E-09	7.2E-09	2.7E-08	1.8E-08	1.6E-08	1.9E-08	8.8E-08
399	BKGN	260602.32	4022606.1	260602.32, 40	0.000107139	1.09E-04	3.7E-08	1.1E-07	1.1E-07	6.6E-08	6.0E-08	2.7E-08	1.2E-09	6.2E-09	2.4E-08	1.6E-08	1.4E-08	1.7E-08	7.9E-08
400	BKGN	259429.52	4022649.62	259429.52, 40	0.000329247	1.61E-04	1.1E-07	3.4E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	3.8E-09	1.9E-08	3.6E-08	2.3E-08	2.1E-08	2.5E-08	1.3E-07
401	BKGN	259488.16	4022649.62	259488.16, 40	0.000384591	1.87E-04	1.3E-07	4.0E-07	2.0E-07	1.1E-07	1.0E-07	4.7E-08	4.4E-09	2.2E-08	4.1E-08	2.7E-08	2.4E-08	2.9E-08	1.5E-07
402	BKGN	259546.8	4022649.62	259546.8, 402	0.000453892	2.21E-04	1.6E-07	4.7E-07	2.3E-07	1.3E-07	1.2E-07	5.5E-08	5.2E-09	2.6E-08	4.9E-08	3.2E-08	2.9E-08	3.4E-08	1.8E-07
403	BKGN	259605.44	4022649.62	259605.44, 40	0.000541233	2.56E-04	1.9E-07	5.7E-07	2.7E-07	1.5E-07	1.4E-07	6.4E-08	6.3E-09	3.1E-08	5.7E-08	3.7E-08	3.3E-08	3.9E-08	2.0E-07
404	BKGN	259664.08	4022649.62	259664.08, 40	0.000652962	2.87E-04	2.3E-07	6.8E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	7.5E-09	3.8E-08	6.4E-08	4.1E-08	3.7E-08	4.4E-08	2.3E-07
405	BKGN	259722.72	4022649.62	259722.72, 40	0.000791687	3.15E-04	2.7E-07	8.3E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	9.2E-09	4.6E-08	7.0E-08	4.5E-08	4.1E-08	4.9E-08	2.6E-07
406	BKGN	259781.36	4022649.62	259781.36, 40	0.000931717	3.39E-04	3.2E-07	9.7E-07	3.5E-07	2.0E-07	1.9E-07	8.5E-08	1.1E-08	5.4E-08	7.5E-08	4.9E-08	4.4E-08	5.2E-08	2.8E-07
407	BKGN	259840	4022649.62	259840, 4022	0.001003317	3.53E-04	3.5E-07	1.0E-06	3.7E-07	2.1E-07	1.9E-07	8.8E-08	1.2E-08	5.8E-08	7.8E-08	5.1E-08	4.6E-08	5.4E-08	3.0E-07
408	BKGN	259898.64	4022649.62	259898.64, 40	0.000977713	3.54E-04	3.4E-07	1.0E-06	3.7E-07	2.1E-07	1.9E-07	8.9E-08	1.1E-08	5.7E-08	7.8E-08	5.1E-08	4.6E-08	5.5E-08	3.0E-07
409	BKGN	259957.28	4022649.62	259957.28, 40	0.000860693	3.46E-04	3.0E-07	9.0E-07	3.6E-07	2.1E-07	1.9E-07	8.6E-08	9.9E-09	5.0E-08	7.6E-08	5.0E-08	4.5E-08	5.3E-08	2.8E-07
410	BKGN	260015.92	4022649.62	260015.92, 40	0.000686665	3.48E-04	2.4E-07	7.2E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	7.9E-09	4.0E-08	7.7E-08	5.0E-08	4.5E-08	5.4E-08	2.7E-07
411	BKGN	260074.56	4022649.62	260074.56, 40	0.000550547	3.70E-04	1.9E-07	5.8E-07	3.9E-07	2.2E-07	2.0E-07	9.3E-08	6.4E-09	3.2E-08	8.2E-08	5.3E-08	4.8E-08	5.7E-08	2.8E-07
412	BKGN	260133.2	4022649.62	260133.2, 402	0.000451688	4.18E-04	1.6E-07	4.7E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	5.2E-09	2.6E-08	9.2E-08	6.0E-08	5.4E-08	6.5E-08	3.0E-07
413	BKGN	260191.84	4022649.62	260191.84, 40	0.000358081	5.07E-04	1.2E-07	3.7E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.1E-09	2.1E-08	1.1E-07	7.3E-08	6.6E-08	7.8E-08	3.5E-07
414	BKGN	260250.48	4022649.62	260250.48, 40	0.000287124	5.23E-04	9.9E-08	3.0E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	3.3E-09	1.7E-08	1.2E-07	7.5E-08	6.8E-08	8.1E-08	3.6E-07
415	BKGN	260309.12	4022649.62	260309.12, 40	0.000233883	2.58E-04	8.1E-08	2.4E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	2.7E-09	1.4E-08	5.7E-08	3.7E-08	3.4E-08	4.0E-08	1.8E-07
416	BKGN	260367.76	4022649.62	260367.76, 40	0.000193605	1.81E-04	6.7E-08	2.0E-07	1.9E-07	1.1E-07	9.9E-08	4.5E-08	2.2E-09	1.1E-08	4.0E-08	2.6E-08	2.4E-08	2.8E-08	1.3E-07
417	BKGN	260426.4	4022649.62	260426.4, 402	0.00016211	1.48E-04	5.6E-08	1.7E-07	1.5E-07	9.0E-08	8.1E-08	3.7E-08	1.9E-09	9.4E-09	3.3E-08	2.1E-08	1.9E-08	2.3E-08	1.1E-07
418	BKGN	260485.04	4022649.62	260485.04, 40	0.000136911	1.28E-04	4.7E-08	1.4E-07	1.3E-07	7.7E-08	7.0E-08	3.2E-08	1.6E-09	8.0E-09	2.8E-08	1.8E-08	1.7E-08	2.0E-08	9.3E-08
419	BKGN	260543.68	4022649.62	260543.68, 40	0.000117034	1.14E-04	4.1E-08	1.2E-07	1.2E-07	6.9E-08	6.2E-08	2.8E-08	1.4E-09	6.8E-09	2.5E-08	1.6E-08	1.5E-08	1.8E-08	8.2E-08
420	BKGN	260602.32	4022649.62	260602.32, 40	0.000101578	1.03E-04	3.5E-08	1.1E-07	1.1E-07	6.2E-08	5.6E-08	2.6E-08	1.2E-09	5.9E-09	2.3E-08	1.5E-08	1.3E-08	1.6E-08	7.4E-08
421	BKGN	259429.52	4022693.14	259429.52, 40	0.000303567	1.48E-04	1.1E-07	3.2E-07	1.5E-07	8.9E-08	8.1E-08	3.7E-08	3.5E-09	1.8E-08	3.3E-08	2.1E-08	1.9E-08	2.3E-08	1.2E-07
422	BKGN	259488.16	4022693.14	259488.16, 40	0.000348758	1.67E-04	1.2E-07	3.6E-07	1.7E-07	1.0E-07	9.2E-08	4.2E-08	4.0E-09	2.0E-08	3.7E-08	2.4E-08	2.2E-08	2.6E-08	1.3E-07
423	BKGN	259546.8	4022693.14	259546.8, 402	0.000403898	1.90E-04	1.4E-07	4.2E-07	2.0E-07	1.1E-07	1.0E-07	4.8E-08	4.7E-09	2.3E-08	4.2E-08	2.7E-08	2.5E-08	2.9E-08	1.5E-07
424	BKGN	259605.44	4022693.14	259605.44, 40	0.000471816	2.13E-04	1.6E-07	4.9E-07	2.2E-07	1.3E-07	1.2E-07	5.3E-08	5.5E-09	2.7E-08	4.7E-08	3.1E-08	2.8E-08	3.3E-08	1.7E-07
425	BKGN	259664.08	4022693.14	259664.08, 40	0.000556222	2.37E-04	1.9E-07	5.8E-07	2.5E-07	1.4E-07	1.3E-07	5.9E-08	6.4E-09	3.2E-08	5.2E-08	3.4E-08	3.1E-08	3.7E-08	1.9E-07
426	BKGN	259722.72	4022693.14	259722.72, 40	0.000654657	2.59E-04	2.3E-07	6.8E-07	2.7E-07	1.6E-07	1.4E-07	6.5E-08	7.6E-09	3.8E-08	5.7E-08	3.7E-08	3.4E-08	4.0E-08	2.1E-07
427	BKGN	259781.36	4022693.14	259781.36, 40	0.000742702	2.78E-04	2.6E-07	7.8E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	8.6E-09	4.3E-08	6.1E-08	4.0E-08	3.6E-08	4.3E-08	2.3E-07
428	BKGN	259840	4022693.14	259840, 4022	0.000774328	2.90E-04	2.7E-07	8.1E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	9.0E-09	4.5E-08	6.4E-08	4.2E-08	3.8E-08	4.5E-08	2.4E-07
429	BKGN	259898.64	4022693.14	259898.64, 40	0.000745137	2.91E-04	2.6E-07	7.8E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	8.6E-09	4.3E-08	6.4E-08	4.2E-08	3.8E-08	4.5E-08	2.4E-07
430	BKGN	259957.28	4022693.14	259957.28, 40	0.000665175	2.84E-04	2.3E-07	7.0E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	7.7E-09	3.9E-08	6.3E-08	4.1E-08	3.7E-08	4.4E-08	2.3E-07
431	BKGN	260015.92	4022693.14	260015.92, 40	0.000555856	2.83E-04	1.9E-07	5.8E-07	3.0E-07	1.7E-07	1.5E-07	7.1E-08	6.4E-09	3.2E-08	6.2E-08	4.1E-08	3.7E-08	4.4E-08	2.2E-07
432	BKGN	260074.56	4022693.14	260074.56, 40	0.000451522	2.86E-04	1.6E-07	4.7E-07	3.0E-07	1.7E-07	1.6E-07	7.2E-08	5.2E-09	2.6E-08	6.3E-08	4.1E-08	3.7E-08	4.4E-08	2.2E-07
433	BKGN	260133.2	4022693.14	260133.2, 402	0.000377348	2.97E-04	1.3E-07	3.9E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	4.4E-09	2.2E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.2E-07
434	BKGN	260191.84	4022693.14	260191.84, 40	0.000312264	2.97E-04	1.1E-07	3.3E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	3.6E-09	1.8E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.1E-07
435	BKGN	260250.48	4022693.14	260250.48, 40	0.000256867	2.66E-04	8.9E-08	2.7E-07	2.8E-07	1.6E-07	1.5E-07	6.6E-08	3.0E-09	1.5E-08	5.9E-08	3.8E-08	3.5E-08	4.1E-08	1.9E-07
436	BKGN	260309.12	4022693.14	260309.12, 40	0.00021294	2.01E-04	7.4E-08	2.2E-07	2.1E-07	1.2E-07	1.1E-07	5.0E-08	2.5E-09	1.2E-08	4.5E-08	2.9E-08	2.6E-08	3.1E-08	1.5E-07
437	BKGN	260367.76	4022693.14	260367.76, 40	0.00017996	1.60E-04	6.2E-08	1.9E-07	1.7E-07	9.7E-08	8.8E-08	4.0E-08	2.1E-09	1.0E-08	3.5E-08	2.3E-08	2.1E-08	2.5E-08	1.2E-07
438	BKGN	260426.4	4022693.14	260426.4, 402	0.000153164	1.35E-04	5.3E-08	1.6E-07	1.4E-07	8.2E-08	7.4E-08	3.4E-08	1.8E-09	8.9E-09	3.0E-08	1.9E-08	1.8E-08	2.1E-08	9.8E-08
439	BKGN	260485.04	4022693.14	260485.04, 40	0.000131538	1.19E-04	4.6E-08	1.4E-07	1.2E-07	7.2E-08	6.5E-08	3.0E-08	1.5E-09	7.7E-09	2.6E-08	1.7E-08	1.5E-08	1.8E-08	8.6E-08
440	BKGN	260543.68	4022693.14	260543.68, 40	0.000112624	1.06E-04	3.9E-08	1.2E-07	1.1E-07	6.4E-08	5.8E-08	2.7E-08	1.3E-09	6.6E-09	2.3E-08	1.5E-08	1.4E-08	1.6E-08	7.7E-08
441	BKGN	260602.32	4022693.14	260602.32, 40	9.77134E-05	9.64E-05	3.4E-08	1.0E-07	1.0E-07	5.8E-08	5.3E-08	2.4E-08	1.1E-09	5.7E-09	2.1E-08	1.4E-08	1.3E-08	1.5E-08	6.9E-08
442	R_1	259632.9	4022073.46	259632.9, 402	0.000476697	8.70E-04	1.7E-07	5.0E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	5.5E-09	2.8E-08	1.9E-07	1.3E-07	1.1E-07	1.3E-07	6.0E-07
443	R_2	259632.9	4022093.46	259632.9, 402	0.000522942	6.29E-04	1.8E-07	5.5E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	6.0E-09	3.0E-08	1.4E-07	9.0E-08	8.2E-08	9.7E-08	4.5E-07
444	R_3	259632.9	4022113.46	259632.9, 402	0.000573912	5.20E-04	2.0E-07	6.0E-07	5.4E-07	3.1E-07	2.9E-07	1.3E-07	6.6E-09	3.3E-08	1.2E-07	7.5E-08	6.8E-08	8.0E-08	3.8E-07
445	R_4	259632.9	4022133.46	259632.9, 402	0.000629455	4.61E-04	2.2E-07	6.6E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	7.3E-09	3.7E-08	1.0E-07	6.6E-08	6.0E-08	7.1E-08	3.4E-07
446	R_5	259632.9	4022153.46	259632.9, 402	0.000689039	4.27E-04	2.4E-07	7.2E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	8.0E-09	4.0E-08	9.4E-08	6.1E-08	5.6E-08	6.6E-08	3.3E-07
447	R_6	259632.9	4022173.46	259632.9, 402	0.000751526	4.06E-04	2.6E-07	7.9E-07	4.2E-07	2.5E-07	2.2E-07	1.0E-07	8.7E-09	4.4E-08	9.0E-08	5.8E-08	5.3E-08	6.3E-08	3.2E-07
448	R_7	259632.9	4022193.46	259632.9, 402	0.000815091	3.94E-04	2.8E-07	8.5E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	9.4E-09	4.7E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	3.1E-07
449	R_8	259632.9	4022213.46	259632.9, 402	0.000877622	3.86E-04	3.0E-07	9.2E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	1.0E-08	5.1E-08	8.5E-08	5.6E-08	5.0E-08	6.0E-08	3.1E-07
450	R_9	259632.9	4022233.46	259632.9, 402	0.000937486	3.82E-04	3.2E-07	9.8E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	1.1E-08	5.5E-08	8.5E-08	5.5E-08	5.0E-08	5.9E-08	3.1E-07
451	R_10	259652.9	4022073.46	259652.9, 402	0.000513061	8.52E-04	1.8E-07	5.4E-07	8.9E-07	5.2E-07	4.7E-07	2.1E-07	5.9E-09	3.0E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
452	R_11	259652.9	4022093.46	259652.9, 402	0.000566031	6.33E-04	2.0E-07	5.9E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	6.5E-09	3.3E-08	1.4E-07	9.1E-08	8.2E-08	9.8E-08	4.5E-07
453	R_12	259652.9	4022113.46	259652.9, 402	0.000625284	5.29E-04	2.2E-07	6.5E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	7.2E-09	3.6E-08	1.2E-07	7.6E-08	6.9E-08	8.2E-08	3.9E-07
454	R_13	259652.9	4022133.46	259652.9, 402	0.000690959	4.73E-04	2.4E-07	7.2E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	8.0E-09	4.0E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.6E-07
455	R_14	259652.9	4022153.46	259652.9, 402	0.000762538	4.41E-04	2.6E-07	8.0E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	8.8E-09	4.4E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.4E-07
456	R_15	259652.9	4022173.46	259652.9, 402	0.000838919	4.23E-04	2.9E-07	8.8E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	9.7E-09	4.9E-08	9.3E-08	6.1E-08	5.5E-08	6.5E-08	3.3E-07
457	R_16	259652.9	4022193.46	259652.9, 402	0.000918	4.13E-04	3.2E-07	9.6E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	1.1E-08	5.3E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	3.3E-07
458	R_17	259652.9	4022213.46	259652.9, 402	0.000996972	4.08E-04	3.5E-07	1.0E-06	4.3E-07	2.5E-07	2.2E-07	1.0E-07	1.2E-08	5.8E-08	9.0E-08	5.9E-08	5.3E-08	6.3E-08	3.3E-07
459	R_18	259652.9	4022233.46	259652.9, 402	0.001073391	4.07E-04	3.7E-07	1.1E-06	4.3E-07	2.5E-07	2.2E-07	1.0E-07	1.2E-08	6.2E-08	9.0E-08	5.9E-08	5.3E-08	6.3E-08	3.4E-07
460	R_19	259672.9	4022073.46	259672.9, 402	0.000553592	8.48E-04	1.9E-07	5.8E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	6.4E-09	3.2E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
461	R_20	259672.9	4022093.46	259672.9, 402	0.000614364	6.39E-04	2.1E-07	6.4E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	7.1E-09	3.6E-08	1.4E-07	9.2E-08	8.3E-08	9.9E-08	4.6E-07
462	R_21	259672.9	4022113.46	259672.9, 402	0.000683433	5.39E-04	2.4E-07	7.1E-07	5.6E-07	3.3E-07	3.0E-07	1.3E-07	7.9E-09	4.0E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	4.0E-07
463	R_22	259672.9	4022133.46	259672.9, 402	0.000761343	4.85E-04	2.6E-07	8.0E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	8.8E-09	4.4E-08	1.1E-07	7.0E-08	6.3E-08	7.5E-08	3.7E-07
464	R_23	259672.9	4022153.46	259672.9, 402	0.000847892	4.56E-04	2.9E-07	8.9E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	9.8E-09	4.9E-08	1.0E-07	6.6E-08	5.9E-08	7.0E-08	3.6E-07
465	R_24	259672.9	4022173.46	259672.9, 402	0.00094208	4.41E-04	3.3E-07	9.8E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	1.1E-08	5.5E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.5E-07
466	R_25	259672.9	4022193.46	259672.9, 402	0.00104154	4.35E-04	3.6E-07	1.1E-06	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.2E-08	6.1E-08	9.6E-08	6.2E-08	5.7E-08	6.7E-08	3.5E-07
467	R_26	259672.9	4022213.46	259672.9, 402	0.001142638	4.34E-04	4.0E-07	1.2E-06	4.5E-07	2.6E-07	2.4E-07	1.1E-07	1.3E-08	6.6E-08	9.6E-08	6.2E-08	5.7E-08	6.7E-08	3.6E-07
468	R_27	259672.9	4022233.46	259672.9, 402	0.001241742	4.37E-04	4.3E-07	1.3E-06	4.6E-07	2.6E-07	2.4E-07	1.1E-07	1.4E-08	7.2E-08	9.7E-08	6.3E-08	5.7E-08	6.7E-08	3.7E-07
469	R_28	259692.9	4022073.46	259692.9, 402	0.000598986	8.59E-04	2.1E-07	6.3E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	6.9E-09	3.5E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
470	R_29	259692.9	4022093.46	259692.9, 402	0.000668852	6.47E-04	2.3E-07	7.0E-07	6.8E-07	3.9E-07	3.5E-07	1.6E-07	7.7E-09	3.9E-08	1.4E-07	9.3E-08	8.4E-08	1.0E-07	4.7E-07
471	R_30	259692.9	4022113.46	259692.9, 402	0.000749624	5.49E-04	2.6E-07	7.8E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	8.7E-09	4.4E-08	1.2E-07	7.9E-08	7.2E-08	8.5E-08	4.1E-07
472	R_31	259692.9	4022133.46	259692.9, 402	0.000842402	4.99E-04	2.9E-07	8.8E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	9.7E-09	4.9E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	3.8E-07
473	R_32	259692.9	4022153.46	259692.9, 402	0.000947721	4.73E-04	3.3E-07	9.9E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	1.1E-08	5.5E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.7E-07
474	R_33	259692.9	4022173.46	259692.9, 402	0.001064934	4.62E-04	3.7E-07	1.1E-06	4.8E-07	2.8E-07	2.5E-07	1.2E-07	1.2E-08	6.2E-08	1.0E-07	6.6E-08	6.0E-08	7.1E-08	3.7E-07
475	R_34	259692.9	4022193.46	259692.9, 402	0.001191611	4.59E-04	4.1E-07	1.2E-06	4.8E-07	2.8E-07	2.5E-07	1.1E-07	1.4E-08	6.9E-08	1.0E-07	6.6E-08	6.0E-08	7.1E-08	3.8E-07
476	R_35	259692.9	4022213.46	259692.9, 402	0.001323119	4.63E-04	4.6E-07	1.4E-06	4.8E-07	2.8E-07	2.5E-07	1.2E-07	1.5E-08	7.7E-08	1.0E-07	6.7E-08	6.0E-08	7.2E-08	3.9E-07
477	R_36	259692.9	4022233.46	259692.9, 402	0.001454114	4.71E-04	5.0E-07	1.5E-06	4.9E-07	2.9E-07	2.6E-07	1.2E-07	1.7E-08	8.5E-08	1.0E-07	6.8E-08	6.1E-08	7.3E-08	4.1E-07
478	R_37	259712.9	4022073.46	259712.9, 402	0.000649941	8.66E-04	2.2E-07	6.8E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	7.5E-09	3.8E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	6.1E-07
479	R_38	259712.9	4022093.46	259712.9, 402	0.000730572	6.55E-04	2.5E-07	7.6E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	8.4E-09	4.2E-08	1.4E-07	9.4E-08	8.5E-08	1.0E-07	4.8E-07
480	R_39	259712.9	4022113.46	259712.9, 402	0.000825351	5.61E-04	2.9E-07	8.6E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	9.5E-09	4.8E-08	1.2E-07	8.1E-08	7.3E-08	8.7E-08	4.2E-07
481	R_40	259712.9	4022133.46	259712.9, 402	0.00093638	5.14E-04	3.2E-07	9.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	1.1E-08	5.4E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	4.0E-07
482	R_41	259712.9	4022153.46	259712.9, 402	0.001065344	4.92E-04	3.7E-07	1.1E-06	5.1E-07	3.0E-07	2.7E-07	1.2E-07	1.2E-08	6.2E-08	1.1E-07	7.1E-08	6.4E-08	7.6E-08	3.9E-07
483	R_42	259712.9	4022173.46	259712.9, 402	0.001212661	4.85E-04	4.2E-07	1.3E-06	5.1E-07	2.9E-07	2.7E-07	1.2E-07	1.4E-08	7.1E-08	1.1E-07	7.0E-08	6.3E-08	7.5E-08	4.0E-07
484	R_43	259712.9	4022193.46	259712.9, 402	0.001376358	4.88E-04	4.8E-07	1.4E-06	5.1E-07	3.0E-07	2.7E-07	1.2E-07	1.6E-08	8.0E-08	1.1E-07	7.0E-08	6.4E-08	7.5E-08	4.1E-07
485	R_44	259712.9	4022213.46	259712.9, 402	0.001550824	4.98E-04	5.4E-07	1.6E-06	5.2E-07	3.0E-07	2.7E-07	1.2E-07	1.8E-08	9.0E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	4.3E-07
486	R_45	259712.9	4022233.46	259712.9, 402	0.001728071	5.12E-04	6.0E-07	1.8E-06	5.4E-07	3.1E-07	2.8E-07	1.3E-07	2.0E-08	1.0E-07	1.1E-07	7.4E-08	6.7E-08	7.9E-08	4.5E-07
487	R_46	259732.9	4022073.46	259732.9, 402	0.00070738	8.69E-04	2.4E-07	7.4E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.2E-09	4.1E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	6.1E-07
488	R_47	259732.9	4022093.46	259732.9, 402	0.000800777	6.65E-04	2.8E-07	8.4E-07	7.0E-07	4.0E-07	3.6E-07	1.7E-07	9.3E-09	4.7E-08	1.5E-07	9.6E-08	8.7E-08	1.0E-07	4.9E-07
489	R_48	259732.9	4022113.46	259732.9, 402	0.000912413	5.75E-04	3.2E-07	9.5E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	1.1E-08	5.3E-08	1.3E-07	8.3E-08	7.5E-08	8.9E-08	4.4E-07
490	R_49	259732.9	4022133.46	259732.9, 402	0.001046011	5.31E-04	3.6E-07	1.1E-06	5.6E-07	3.2E-07	2.9E-07	1.3E-07	1.2E-08	6.1E-08	1.2E-07	7.6E-08	6.9E-08	8.2E-08	4.2E-07
491	R_50	259732.9	4022153.46	259732.9, 402	0.001205091	5.13E-04	4.2E-07	1.3E-06	5.4E-07	3.1E-07	2.8E-07	1.3E-07	1.4E-08	7.0E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	4.2E-07
492	R_51	259732.9	4022173.46	259732.9, 402	0.001392314	5.10E-04	4.8E-07	1.5E-06	5.3E-07	3.1E-07	2.8E-07	1.3E-07	1.6E-08	8.1E-08	1.1E-07	7.3E-08	6.7E-08	7.9E-08	4.3E-07
493	R_52	259732.9	4022193.46	259732.9, 402	0.00160734	5.20E-04	5.6E-07	1.7E-06	5.4E-07	3.1E-07	2.9E-07	1.3E-07	1.9E-08	9.4E-08	1.1E-07	7.5E-08	6.8E-08	8.0E-08	4.5E-07
494	R_53	259732.9	4022213.46	259732.9, 402	0.001844444	5.37E-04	6.4E-07	1.9E-06	5.6E-07	3.3E-07	2.9E-07	1.3E-07	2.1E-08	1.1E-07	1.2E-07	7.7E-08	7.0E-08	8.3E-08	4.8E-07
495	R_54	259732.9	4022233.46	259732.9, 402	0.002091699	5.61E-04	7.2E-07	2.2E-06	5.9E-07	3.4E-07	3.1E-07	1.4E-07	2.4E-08	1.2E-07	1.2E-07	8.1E-08	7.3E-08	8.7E-08	5.1E-07

496	R_55	259752.9	4022073.46	259752.9, 402	0.000771797	8.73E-04	2.7E-07	8.1E-07	9.1E-07	5.3E-07	4.8E-07	2.2E-07	8.9E-09	4.5E-08	1.9E-07	1.3E-07	1.1E-07	1.3E-07	6.2E-07
497	R_56	259752.9	4022093.46	259752.9, 402	0.000880557	6.76E-04	3.0E-07	9.2E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	1.0E-08	5.1E-08	1.5E-07	9.7E-08	8.8E-08	1.0E-07	5.0E-07
498	R_57	259772.9	4022073.46	259772.9, 402	0.000843737	8.78E-04	2.9E-07	8.8E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	9.8E-09	4.9E-08	1.9E-07	1.3E-07	1.1E-07	1.4E-07	6.3E-07
499	R_58	259772.9	4022093.46	259772.9, 402	0.000970937	6.89E-04	3.4E-07	1.0E-06	7.2E-07	4.2E-07	3.8E-07	1.7E-07	1.1E-08	5.6E-08	1.5E-07	9.9E-08	9.0E-08	1.1E-07	5.2E-07
500	R_59	259792.9	4022073.46	259792.9, 402	0.000923466	8.87E-04	3.2E-07	9.7E-07	9.3E-07	5.4E-07	4.9E-07	2.2E-07	1.1E-08	5.4E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
501	R_60	259792.9	4022093.46	259792.9, 402	0.001072765	7.05E-04	3.7E-07	1.1E-06	7.4E-07	4.3E-07	3.9E-07	1.8E-07	1.2E-08	6.2E-08	1.6E-07	1.0E-07	9.2E-08	1.1E-07	5.3E-07
502	R_61	259812.9	4022073.46	259812.9, 402	0.001011945	8.98E-04	3.5E-07	1.1E-06	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.2E-08	5.9E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
503	R_62	259812.9	4022093.46	259812.9, 402	0.001187498	7.23E-04	4.1E-07	1.2E-06	7.6E-07	4.4E-07	4.0E-07	1.8E-07	1.4E-08	6.9E-08	1.6E-07	1.0E-07	9.4E-08	1.1E-07	5.5E-07
504	R_63	259832.9	4022073.46	259832.9, 402	0.001112519	9.12E-04	3.9E-07	1.2E-06	9.5E-07	5.5E-07	5.0E-07	2.3E-07	1.3E-08	6.5E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.7E-07
505	R_64	259832.9	4022093.46	259832.9, 402	0.001319809	7.44E-04	4.6E-07	1.4E-06	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.5E-08	7.7E-08	1.6E-07	1.1E-07	9.7E-08	1.1E-07	5.8E-07
506	S_1	259920.63	4022125.03	259920.63, 40	0.003659671	9.21E-04	1.3E-06	3.8E-06	9.6E-07	5.6E-07	5.1E-07	2.3E-07	4.2E-08	2.1E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	8.5E-07
507	S_2	259920.63	4022145.03	259920.63, 40	0.005021777	9.82E-04	1.7E-06	5.2E-06	1.0E-06	5.9E-07	5.4E-07	2.5E-07	5.8E-08	2.9E-07	2.2E-07	1.4E-07	1.3E-07	1.5E-07	9.9E-07
508	S_3	259920.63	4022165.03	259920.63, 40	0.007204073	1.11E-03	2.5E-06	7.5E-06	1.2E-06	6.7E-07	6.1E-07	2.8E-07	8.3E-08	4.2E-07	2.4E-07	1.6E-07	1.4E-07	1.7E-07	1.2E-06
509	S_4	259940.63	4022105.03	259940.63, 40	0.003208924	1.01E-03	1.1E-06	3.4E-06	1.1E-06	6.1E-07	5.5E-07	2.5E-07	3.7E-08	1.9E-07	2.2E-07	1.5E-07	1.3E-07	1.6E-07	8.8E-07
510	S_5	259940.63	4022125.03	259940.63, 40	0.004248358	1.04E-03	1.5E-06	4.4E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	4.9E-08	2.5E-07	2.3E-07	1.5E-07	1.4E-07	1.6E-07	9.7E-07
511	S_6	259940.63	4022145.03	259940.63, 40	0.005800219	1.12E-03	2.0E-06	6.1E-06	1.2E-06	6.8E-07	6.2E-07	2.8E-07	6.7E-08	3.4E-07	2.5E-07	1.6E-07	1.5E-07	1.7E-07	1.1E-06
512	S_7	259940.63	4022165.03	259940.63, 40	0.008199311	1.28E-03	2.8E-06	8.6E-06	1.3E-06	7.8E-07	7.0E-07	3.2E-07	9.5E-08	4.8E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.4E-06
513	S_8	259960.63	4022105.03	259960.63, 40	0.003639996	1.14E-03	1.3E-06	3.8E-06	1.2E-06	6.9E-07	6.3E-07	2.9E-07	4.2E-08	2.1E-07	2.5E-07	1.6E-07	1.5E-07	1.8E-07	1.0E-06
514	S_9	259960.63	4022125.03	259960.63, 40	0.004783238	1.19E-03	1.7E-06	5.0E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	5.5E-08	2.8E-07	2.6E-07	1.7E-07	1.6E-07	1.8E-07	1.1E-06
515	S_10	259960.63	4022145.03	259960.63, 40	0.006439327	1.30E-03	2.2E-06	6.7E-06	1.4E-06	7.9E-07	7.2E-07	3.3E-07	7.4E-08	3.7E-07	2.9E-07	1.9E-07	1.7E-07	2.0E-07	1.3E-06
516	S_11	259960.63	4022165.03	259960.63, 40	0.008913208	1.49E-03	3.1E-06	9.3E-06	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.0E-07	5.2E-07	3.3E-07	2.1E-07	1.9E-07	2.3E-07	1.6E-06
517	S_12	259980.63	4022105.03	259980.63, 40	0.004021885	1.34E-03	1.4E-06	4.2E-06	1.4E-06	8.1E-07	7.3E-07	3.3E-07	4.6E-08	2.3E-07	3.0E-07	1.9E-07	1.7E-07	2.1E-07	1.1E-06
518	S_13	259980.63	4022125.03	259980.63, 40	0.00521557	1.40E-03	1.8E-06	5.5E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	6.0E-08	3.0E-07	3.1E-07	2.0E-07	1.8E-07	2.2E-07	1.3E-06
519	S_14	259980.63	4022145.03	259980.63, 40	0.006893487	1.54E-03	2.4E-06	7.2E-06	1.6E-06	9.3E-07	8.4E-07	3.9E-07	8.0E-08	4.0E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.5E-06
520	S_15	259980.63	4022165.03	259980.63, 40	0.009324604	1.75E-03	3.2E-06	9.7E-06	1.8E-06	1.1E-06	9.6E-07	4.4E-07	1.1E-07	5.4E-07	3.9E-07	2.5E-07	2.3E-07	2.7E-07	1.8E-06
521	S_16	260000.63	4022105.03	260000.63, 40	0.004319653	1.66E-03	1.5E-06	4.5E-06	1.7E-06	1.0E-06	9.1E-07	4.1E-07	5.0E-08	2.5E-07	3.7E-07	2.4E-07	2.2E-07	2.6E-07	1.4E-06
522	S_17	260000.63	4022125.03	260000.63, 40	0.005509521	1.74E-03	1.9E-06	5.8E-06	1.8E-06	1.1E-06	9.5E-07	4.4E-07	6.4E-08	3.2E-07	3.8E-07	2.5E-07	2.3E-07	2.7E-07	1.5E-06
523	S_18	260000.63	4022145.03	260000.63, 40	0.007132868	1.88E-03	2.5E-06	7.5E-06	2.0E-06	1.1E-06	1.0E-06	4.7E-07	8.2E-08	4.1E-07	4.2E-07	2.7E-07	2.5E-07	2.9E-07	1.7E-06
524	S_19	260000.63	4022165.03	260000.63, 40	0.009413218	2.09E-03	3.3E-06	9.8E-06	2.2E-06	1.3E-06	1.1E-06	5.2E-07	1.1E-07	5.5E-07	4.6E-07	3.0E-07	2.7E-07	3.2E-07	2.0E-06
525	R_65	259550.34	4021844.01	259550.34, 40	0.000169791	2.72E-04	5.9E-08	1.8E-07	2.8E-07	1.6E-07	1.5E-07	6.8E-08	2.0E-09	9.9E-09	6.0E-08	3.9E-08	3.5E-08	4.2E-08	1.9E-07
526	R_66	259550.34	4021864.01	259550.34, 40	0.000179228	2.93E-04	6.2E-08	1.9E-07	3.1E-07	1.8E-07	1.6E-07	7.3E-08	2.1E-09	1.0E-08	6.5E-08	4.2E-08	3.8E-08	4.5E-08	2.0E-07
527	R_67	259550.34	4021884.01	259550.34, 40	0.000189627	3.19E-04	6.6E-08	2.0E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	2.2E-09	1.1E-08	7.1E-08	4.6E-08	4.2E-08	4.9E-08	2.2E-07
528	R_68	259550.34	4021904.01	259550.34, 40	0.000201154	3.50E-04	7.0E-08	2.1E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	2.3E-09	1.2E-08	7.7E-08	5.0E-08	4.6E-08	5.4E-08	2.4E-07
529	R_69	259550.34	4021924.01	259550.34, 40	0.000213947	3.88E-04	7.4E-08	2.2E-07	4.1E-07	2.4E-07	2.1E-07	9.7E-08	2.5E-09	1.2E-08	8.6E-08	5.6E-08	5.1E-08	6.0E-08	2.7E-07
530	R_70	259550.34	4021944.01	259550.34, 40	0.000228185	4.38E-04	7.9E-08	2.4E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	2.6E-09	1.3E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.0E-07
531	R_71	259550.34	4021964.01	259550.34, 40	0.000243992	5.06E-04	8.4E-08	2.6E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	2.8E-09	1.4E-08	1.1E-07	7.3E-08	6.6E-08	7.8E-08	3.5E-07
532	R_72	259550.34	4021984.01	259550.34, 40	0.00026151	6.02E-04	9.1E-08	2.7E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	3.0E-09	1.5E-08	1.3E-07	8.7E-08	7.8E-08	9.3E-08	4.1E-07
533	R_73	259550.34	4022004.01	259550.34, 40	0.000280763	7.56E-04	9.7E-08	2.9E-07	7.9E-07	4.6E-07	4.1E-07	1.9E-07	3.2E-09	1.6E-08	1.7E-07	1.1E-07	9.9E-08	1.2E-07	5.1E-07
534	R_74	259550.34	4022024.01	259550.34, 40	0.000301765	1.04E-03	1.0E-07	3.2E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	3.5E-09	1.8E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.0E-07
535	R_75	259570.34	4021844.01	259570.34, 40	0.000176669	2.76E-04	6.1E-08	1.8E-07	2.9E-07	1.7E-07	1.5E-07	6.9E-08	2.0E-09	1.0E-08	6.1E-08	4.0E-08	3.6E-08	4.3E-08	1.9E-07
536	R_76	259570.34	4021864.01	259570.34, 40	0.000186688	2.98E-04	6.5E-08	2.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.2E-09	1.1E-08	6.6E-08	4.3E-08	3.9E-08	4.6E-08	2.1E-07
537	R_77	259570.34	4021884.01	259570.34, 40	0.000197733	3.23E-04	6.8E-08	2.1E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	2.3E-09	1.2E-08	7.1E-08	4.6E-08	4.2E-08	5.0E-08	2.2E-07
538	R_78	259570.34	4021904.01	259570.34, 40	0.000209969	3.55E-04	7.3E-08	2.2E-07	3.7E-07	2.1E-07	1.9E-07	8.9E-08	2.4E-09	1.2E-08	7.8E-08	5.1E-08	4.6E-08	5.5E-08	2.4E-07
539	R_79	259570.34	4021924.01	259570.34, 40	0.000223561	3.94E-04	7.7E-08	2.3E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	2.6E-09	1.3E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	2.7E-07
540	R_80	259570.34	4021944.01	259570.34, 40	0.00023871	4.45E-04	8.3E-08	2.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	2.8E-09	1.4E-08	9.8E-08	6.4E-08	5.8E-08	6.9E-08	3.1E-07
541	R_81	259570.34	4021964.01	259570.34, 40	0.000255633	5.13E-04	8.8E-08	2.7E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	3.0E-09	1.5E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	3.5E-07
542	R_82	259570.34	4021984.01	259570.34, 40	0.000274506	6.11E-04	9.5E-08	2.9E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	3.2E-09	1.6E-08	1.4E-07	8.8E-08	8.0E-08	9.4E-08	4.2E-07
543	R_83	259570.34	4022004.01	259570.34, 40	0.000295443	7.69E-04	1.0E-07	3.1E-07	8.0E-07	4.7E-07	4.2E-07	1.9E-07	3.4E-09	1.7E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.2E-07
544	R_84	259570.34	4022024.01	259570.34, 40	0.000318534	1.06E-03	1.1E-07	3.3E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	3.7E-09	1.9E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.1E-07
545	R_85	259590.34	4021844.01	259590.34, 40	0.000183952	2.81E-04	6.4E-08	1.9E-07	2.9E-07	1.7E-07	1.5E-07	7.0E-08	2.1E-09	1.1E-08	6.2E-08	4.0E-08	3.7E-08	4.3E-08	2.0E-07
546	R_86	259590.34	4021864.01	259590.34, 40	0.000194668	3.02E-04	6.7E-08	2.0E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	2.3E-09	1.1E-08	6.7E-08	4.3E-08	3.9E-08	4.7E-08	2.1E-07
547	R_87	259590.34	4021884.01	259590.34, 40	0.000206473	3.29E-04	7.1E-08	2.2E-07	3.4E-07	2.0E-07	1.8E-07	8.2E-08	2.4E-09	1.2E-08	7.3E-08	4.7E-08	4.3E-08	5.1E-08	2.3E-07
548	R_88	259590.34	4021904.01	259590.34, 40	0.00021952	3.60E-04	7.6E-08	2.3E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	2.5E-09	1.3E-08	8.0E-08	5.2E-08	4.7E-08	5.6E-08	2.5E-07
549	R_89	259590.34	4021924.01	259590.34, 40	0.000234036	4.00E-04	8.1E-08	2.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	2.7E-09	1.4E-08	8.8E-08	5.7E-08	5.2E-08	6.2E-08	2.8E-07
550	R_90	259590.34	4021944.01	259590.34, 40	0.000250224	4.51E-04	8.7E-08	2.6E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	2.9E-09	1.5E-08	1.0E-07	6.5E-08	5.9E-08	7.0E-08	3.1E-07
551	R_91	259590.34	4021964.01	259590.34, 40	0.000268375	5.21E-04	9.3E-08	2.8E-07	5.4E-07	3.2E-07	2.9E-07	1.3E-07	3.1E-09	1.6E-08	1.2E-07	7.5E-08	6.8E-08	8.0E-08	3.6E-07
552	R_92	259590.34	4021984.01	259590.34, 40	0.00028873	6.21E-04	1.0E-07	3.0E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	3.3E-09	1.7E-08	1.4E-07	8.9E-08	8.1E-08	9.6E-08	4.2E-07
553	R_93	259590.34	4022004.01	259590.34, 40	0.000311479	7.82E-04	1.1E-07	3.3E-07	8.2E-07	4.7E-07	4.3E-07	2.0E-07	3.6E-09	1.8E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.3E-07
554	R_94	259590.34	4022024.01	259590.34, 40	0.000336837	1.08E-03	1.2E-07	3.5E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	3.9E-09	2.0E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.2E-07
555	R_95	259610.34	4021844.01	259610.34, 40	0.00019164	2.85E-04	6.6E-08	2.0E-07	3.0E-07	1.7E-07	1.6E-07	7.1E-08	2.2E-09	1.1E-08	6.3E-08	4.1E-08	3.7E-08	4.4E-08	2.0E-07
556	R_96	259610.34	4021864.01	259610.34, 40	0.000203154	3.08E-04	7.0E-08	2.1E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.3E-09	1.2E-08	6.8E-08	4.4E-08	4.0E-08	4.7E-08	2.1E-07
557	R_97	259610.34	4021884.01	259610.34, 40	0.000215821	3.34E-04	7.5E-08	2.3E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	2.5E-09	1.3E-08	7.4E-08	4.8E-08	4.4E-08	5.2E-08	2.3E-07
558	R_98	259610.34	4021904.01	259610.34, 40	0.00022983	3.66E-04	8.0E-08	2.4E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	2.7E-09	1.3E-08	8.1E-08	5.3E-08	4.8E-08	5.7E-08	2.5E-07
559	R_99	259610.34	4021924.01	259610.34, 40	0.00024541	4.06E-04	8.5E-08	2.6E-07	4.2E-07	2.5E-07	2.2E-07	1.0E-07	2.8E-09	1.4E-08	9.0E-08	5.8E-08	5.3E-08	6.3E-08	2.8E-07
560	R_10	259610.34	4021944.01	259610.34, 40	0.000262814	4.58E-04	9.1E-08	2.7E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	3.0E-09	1.5E-08	1.0E-07	6.6E-08	6.0E-08	7.1E-08	3.2E-07
561	R_10	259610.34	4021964.01	259610.34, 40	0.000282345	5.28E-04	9.8E-08	3.0E-07	5.5E-07	3.2E-07	2.9E-07	1.3E-07	3.3E-09	1.6E-08	1.2E-07	7.6E-08	6.9E-08	8.2E-08	3.6E-07
562	R_10	259610.34	4021984.01	259610.34, 40	0.000304334	6.31E-04	1.1E-07	3.2E-07	6.6E-07	3.8E-07	3.5E-07	1.6E-07	3.5E-09	1.8E-08	1.4E-07	9.1E-08	8.2E-08	9.7E-08	4.3E-07
563	R_10	259610.34	4022004.01	259610.34, 40	0.000329085	7.95E-04	1.1E-07	3.4E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	3.8E-09	1.9E-08	1.8E-07	1.1E-07	1.0E-07	1.2E-07	5.4E-07
564	R_10	259610.34	4022024.01	259610.34, 40	0.000356913	1.10E-03	1.2E-07	3.7E-07	1.1E-06	6.7E-07	6.0E-07	2.8E-07	4.1E-09	2.1E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.4E-07
565	R_10	259630.34	4021844.01	259630.34, 40	0.000199708	2.91E-04	6.9E-08	2.1E-07	3.0E-07	1.8E-07	1.6E-07	7.3E-08	2.3E-09	1.2E-08	6.4E-08	4.2E-08	3.8E-08	4.5E-08	2.0E-07
566	R_10	259630.34	4021864.01	259630.34, 40	0.000212109	3.13E-04	7.3E-08	2.2E-07	3.3E-07	1.9E-07	1.7E-07	7.8E-08	2.5E-09	1.2E-08	6.9E-08	4.5E-08	4.1E-08	4.8E-08	2.2E-07
567	R_10	259630.34	4021884.01	259630.34, 40	0.000225776	3.40E-04	7.8E-08	2.4E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	2.6E-09	1.3E-08	7.5E-08	4.9E-08	4.4E-08	5.2E-08	2.4E-07
568	R_10	259630.34	4021904.01	259630.34, 40	0.000240887	3.72E-04	8.3E-08	2.5E-07	3.9E-07	2.3E-07	2.0E-07	9.3E-08	2.8E-09	1.4E-08	8.2E-08	5.4E-08	4.9E-08	5.7E-08	2.6E-07
569	R_10	259630.34	4021924.01	259630.34, 40	0.000257709	4.13E-04	8.9E-08	2.7E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.0E-09	1.5E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	2.9E-07
570	R_11	259630.34	4021944.01	259630.34, 40	0.000276518	4.65E-04	9.6E-08	2.9E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	3.2E-09	1.6E-08	1.0E-07	6.7E-08	6.1E-08	7.2E-08	3.2E-07
571	R_11	259630.34	4021964.01	259630.34, 40	0.000297646	5.37E-04	1.0E-07	3.1E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	3.4E-09	1.7E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	3.7E-07
572	R_11	259630.34	4021984.01	259630.34, 40	0.000321497	6.41E-04	1.1E-07	3.4E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	3.7E-09	1.9E-08	1.4E-07	9.2E-08	8.3E-08	9.9E-08	4.4E-07
573	R_11	259630.34	4022004.01	259630.34, 40	0.000348476	8.08E-04	1.2E-07	3.6E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	4.0E-09	2.0E-08	1.8E-07	1.2E-07	1.1E-07	1.2E-07	5.5E-07
574	R_11	259630.34	4022024.01	259630.34, 40	0.00037904	1.12E-03	1.3E-07	4.0E-07	1.2E-06	6.8E-07	6.1E-07	2.8E-07	4.4E-09	2.2E-08	2.5E-07	1.6E-07	1.5E-07	1.7E-07	7.5E-07
575	R_11	259650.34	4021844.01	259650.34, 40	0.000208144	2.96E-04	7.2E-08	2.2E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	2.4E-09	1.2E-08	6.5E-08	4.3E-08	3.9E-08	4.6E-08	2.1E-07
576	R_11	259650.34	4021864.01	259650.34, 40	0.000221533	3.19E-04	7.7E-08	2.3E-07	3.3E-07	1.9E-07	1.7E-07	8.0E-08	2.6E-09	1.3E-08	7.0E-08	4.6E-08	4.2E-08	4.9E-08	2.2E-07
577	R_11	259650.34	4021884.01	259650.34, 40	0.000236314	3.46E-04	8.2E-08	2.5E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	2.7E-09	1.4E-08	7.6E-08	5.0E-08	4.5E-08	5.3E-08	2.4E-07
578	R_11	259650.34	4021904.01	259650.34, 40	0.000252692	3.79E-04	8.7E-08	2.6E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	2.9E-09	1.5E-08	8.4E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
579	R_11	259650.34	4021924.01	259650.34, 40	0.000270932	4.20E-04	9.4E-08	2.8E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	3.1E-09	1.6E-08	9.3E-08	6.0E-08	5.5E-08	6.5E-08	2.9E-07
580	R_12	259650.34	4021944.01	259650.34, 40	0.000291338	4.73E-04	1.0E-07	3.0E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	3.4E-09	1.7E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.3E-07
581	R_12	259650.34	4021964.01	259650.34, 40	0.000314327	5.45E-04	1.1E-07	3.3E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	3.6E-09	1.8E-08	1.2E-07	7.8E-08	7.1E-08	8.4E-08	3.8E-07
582	R_12	259650.34	4021984.01	259650.34, 40	0.000340319	6.51E-04	1.2E-07	3.6E-07	6.8E-07	3.9E-07	3.6E-07	1.6E-07	3.9E-09	2.0E-08	1.4E-07	9.4E-08	8.5E-08	1.0E-07	4.5E-07
583	R_12	259650.34	4022004.01	259650.34, 40	0.000369844	8.21E-04	1.3E-07	3.9E-07	8.6E-07	5.0E-07	4.5E-07	2.1E-07	4.3E-09	2.2E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	5.6E-07
584	R_12	259650.34	4022024.01	259650.34, 40	0.000403524	1.14E-03	1.4E-07	4.2E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	4.7E-09	2.3E-08	2.5E-07	1.6E-07	1.5E-07	1.8E-07	7.7E-07
585	R_12	259670.34	4021844.01	259670.34, 40	0.000216922	3.02E-04	7.5E-08	2.3E-07	3.2E-07	1.8E-07	1.7E-07	7.6E-08	2.5E-09	1.3E-08	6.7E-08	4.3E-08	3.9E-08	4.7E-08	2.1E-07
586	R_12	259670.34	4021864.01	259670.34, 40	0.0002314	3.25E-04	8.0E-08	2.4E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	2.7E-09	1.3E-08	7.2E-08	4.7E-08	4.2E-08	5.0E-08	2.3E-07
587	R_12	259670.34	4021884.01	259670.34, 40	0.000247423	3.52E-04	8.6E-08	2.6E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	2.9E-09	1.4E-08	7.8E-08	5.1E-08	4.6E-08	5.4E-08	2.5E-07
588	R_12	259670.34	4021904.01	259670.34, 40	0.000265219	3.86E-04	9.2E-08	2.8E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	3.1E-09	1.5E-08	8.5E-08	5.5E-08	5.0E-08	6.0E-08	2.7E-07
589	R_12	259670.34	4021924.01	259670.34, 40	0.00028508	4.27E-04	9.9E-08	3.0E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	3.3E-09	1.7E-08	9.4E-08	6.1E-08	5.6E-08	6.6E-08	3.0E-07
590	R_13	259670.34	4021944.01	259670.34, 40	0.000307348	4.81E-04	1.1E-07	3.2E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	3.6E-09	1.8E-08	1.1E-07	6.9E-08	6.3E-08	7.4E-08	3.3E-07
591	R_13	259670.34	4021964.01	259670.34, 40	0.000332452	5.55E-04	1.2E-07	3.5E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	3.8E-09	1.9E-08	1.2E-07	8.0E-08	7.2E-08	8.6E-08	3.8E-07
592	R_13	259670.34	4021984.01	259670.34, 40	0.000360926	6.62E-04	1.2E-07	3.8E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	4.2E-09	2.1E-08	1.5E-07	9.5E-08	8.6E-08	1.0E-07	4.5E-07
593	R_13	259670.34	4022004.01	259670.34, 40	0.00039339	8.35E-04	1.4E-07	4.1E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	4.5E-09	2.3E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	5.7E-07
594	R_13	259670.34	4022024.01	259670.34, 40	0.000430604	1.16E-03	1.5E-07	4.5E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	5.0E-09	2.5E-08	2.6E-07	1.7E-07	1.5E-07	1.8E-07	7.9E-07
595	R_13	259690.34	4021844.01	259690.34, 40	0.000225991	3.08E-04	7.8E-08	2.4E-07	3.2E-07	1.9E-07	1.7E-07	7.7E-08	2.6E-09	1.3E-08	6.8E-08	4.4E-08	4.0E-08	4.8E-08	2.2E-07
596	R_13	259690.34	4021864.01	259690.34, 40	0.00024166	3.32E-04	8.4E-08	2.5E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	2.8E-09	1.4E-08	7.3E-08	4.8E-08	4.3E-08	5.1E-08	2.3E-07

597	R_13	259690.34	4021884.01	259690.34, 40	0.000259063	3.59E-04	9.0E-08	2.7E-07	3.8E-07	2.2E-07	2.0E-07	9.0E-08	3.0E-09	1.5E-08	7.9E-08	5.2E-08	4.7E-08	5.5E-08	2.5E-07
598	R_13	259690.34	4021904.01	259690.34, 40	0.000278443	3.93E-04	9.6E-08	2.9E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	3.2E-09	1.6E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	2.7E-07
599	R_13	259690.34	4021924.01	259690.34, 40	0.000300128	4.35E-04	1.0E-07	3.1E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	3.5E-09	1.7E-08	9.6E-08	6.3E-08	5.7E-08	6.7E-08	3.0E-07
600	R_14	259690.34	4021944.01	259690.34, 40	0.000324498	4.90E-04	1.1E-07	3.4E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	3.8E-09	1.9E-08	1.1E-07	7.0E-08	6.4E-08	7.6E-08	3.4E-07
601	R_14	259690.34	4021964.01	259690.34, 40	0.00035206	5.64E-04	1.2E-07	3.7E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	4.1E-09	2.0E-08	1.2E-07	8.1E-08	7.4E-08	8.7E-08	3.9E-07
602	R_14	259690.34	4021984.01	259690.34, 40	0.000383409	6.73E-04	1.3E-07	4.0E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	4.4E-09	2.2E-08	1.5E-07	9.7E-08	8.8E-08	1.0E-07	4.6E-07
603	R_14	259690.34	4022004.01	259690.34, 40	0.000419267	8.50E-04	1.5E-07	4.4E-07	8.9E-07	5.1E-07	4.7E-07	2.1E-07	4.8E-09	2.4E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.8E-07
604	R_14	259690.34	4022024.01	259690.34, 40	0.000460546	1.19E-03	1.6E-07	4.8E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	5.3E-09	2.7E-08	2.6E-07	1.7E-07	1.5E-07	1.8E-07	8.0E-07
605	R_14	259710.34	4021844.01	259710.34, 40	0.000235326	3.15E-04	8.1E-08	2.5E-07	3.3E-07	1.9E-07	1.7E-07	7.9E-08	2.7E-09	1.4E-08	7.0E-08	4.5E-08	4.1E-08	4.9E-08	2.2E-07
606	R_14	259710.34	4021864.01	259710.34, 40	0.000252287	3.39E-04	8.7E-08	2.6E-07	3.5E-07	2.0E-07	1.9E-07	8.5E-08	2.9E-09	1.5E-08	7.5E-08	4.9E-08	4.4E-08	5.2E-08	2.4E-07
607	R_14	259710.34	4021884.01	259710.34, 40	0.000271172	3.67E-04	9.4E-08	2.8E-07	3.8E-07	2.2E-07	2.0E-07	9.2E-08	3.1E-09	1.6E-08	8.1E-08	5.3E-08	4.8E-08	5.7E-08	2.6E-07
608	R_14	259710.34	4021904.01	259710.34, 40	0.0002923	4.01E-04	1.0E-07	3.1E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	3.4E-09	1.7E-08	8.9E-08	5.8E-08	5.2E-08	6.2E-08	2.8E-07
609	R_14	259710.34	4021924.01	259710.34, 40	0.000316024	4.44E-04	1.1E-07	3.3E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	3.7E-09	1.8E-08	9.8E-08	6.4E-08	5.8E-08	6.8E-08	3.1E-07
610	R_15	259710.34	4021944.01	259710.34, 40	0.000342775	4.99E-04	1.2E-07	3.6E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	4.0E-09	2.0E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	3.5E-07
611	R_15	259710.34	4021964.01	259710.34, 40	0.000373136	5.75E-04	1.3E-07	3.9E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	4.3E-09	2.2E-08	1.3E-07	8.3E-08	7.5E-08	8.9E-08	4.0E-07
612	R_15	259710.34	4021984.01	259710.34, 40	0.000407778	6.86E-04	1.4E-07	4.3E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	4.7E-09	2.4E-08	1.5E-07	9.9E-08	8.9E-08	1.1E-07	4.7E-07
613	R_15	259710.34	4022004.01	259710.34, 40	0.000447563	8.66E-04	1.5E-07	4.7E-07	9.1E-07	5.2E-07	4.8E-07	2.2E-07	5.2E-09	2.6E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
614	R_15	259710.34	4022024.01	259710.34, 40	0.000493604	1.21E-03	1.7E-07	5.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	5.7E-09	2.9E-08	2.7E-07	1.7E-07	1.6E-07	1.9E-07	8.2E-07
615	R_15	259730.34	4021844.01	259730.34, 40	0.000244839	3.22E-04	8.5E-08	2.6E-07	3.4E-07	2.0E-07	1.8E-07	8.1E-08	2.8E-09	1.4E-08	7.1E-08	4.6E-08	4.2E-08	5.0E-08	2.3E-07
616	R_15	259730.34	4021864.01	259730.34, 40	0.000263167	3.47E-04	9.1E-08	2.8E-07	3.6E-07	2.1E-07	1.9E-07	8.7E-08	3.0E-09	1.5E-08	7.7E-08	5.0E-08	4.5E-08	5.3E-08	2.4E-07
617	R_15	259730.34	4021884.01	259730.34, 40	0.000283687	3.75E-04	9.8E-08	3.0E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.3E-09	1.7E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
618	R_15	259730.34	4021904.01	259730.34, 40	0.000306714	4.10E-04	1.1E-07	3.2E-07	4.3E-07	2.5E-07	2.2E-07	1.0E-07	3.5E-09	1.8E-08	9.1E-08	5.9E-08	5.3E-08	6.3E-08	2.9E-07
619	R_15	259730.34	4021924.01	259730.34, 40	0.00033268	4.53E-04	1.2E-07	3.5E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	3.8E-09	1.9E-08	1.0E-07	6.5E-08	5.9E-08	7.0E-08	3.2E-07
620	R_16	259730.34	4021944.01	259730.34, 40	0.000362104	5.09E-04	1.3E-07	3.8E-07	5.3E-07	3.1E-07	2.8E-07	1.3E-07	4.2E-09	2.1E-08	1.1E-07	7.3E-08	6.6E-08	7.9E-08	3.6E-07
621	R_16	259730.34	4021964.01	259730.34, 40	0.000395619	5.86E-04	1.4E-07	4.1E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	4.6E-09	2.3E-08	1.3E-07	8.4E-08	7.6E-08	9.0E-08	4.1E-07
622	R_16	259730.34	4021984.01	259730.34, 40	0.000434035	6.99E-04	1.5E-07	4.5E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	5.0E-09	2.5E-08	1.5E-07	1.0E-07	9.1E-08	1.1E-07	4.8E-07
623	R_16	259730.34	4022004.01	259730.34, 40	0.000478366	8.84E-04	1.7E-07	5.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	5.5E-09	2.8E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.1E-07
624	R_16	259730.34	4022024.01	259730.34, 40	0.000529943	1.24E-03	1.8E-07	5.5E-07	1.3E-06	7.5E-07	6.8E-07	3.1E-07	6.1E-09	3.1E-08	2.7E-07	1.8E-07	1.6E-07	1.9E-07	8.4E-07
625	R_16	259750.34	4021844.01	259750.34, 40	0.000254441	3.31E-04	8.8E-08	2.7E-07	3.5E-07	2.0E-07	1.8E-07	8.3E-08	2.9E-09	1.5E-08	7.3E-08	4.8E-08	4.3E-08	5.1E-08	2.3E-07
626	R_16	259750.34	4021864.01	259750.34, 40	0.000274225	3.55E-04	9.5E-08	2.9E-07	3.7E-07	2.1E-07	1.9E-07	8.9E-08	3.2E-09	1.6E-08	7.9E-08	5.1E-08	4.6E-08	5.5E-08	2.5E-07
627	R_16	259750.34	4021884.01	259750.34, 40	0.000296455	3.84E-04	1.0E-07	3.1E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	3.4E-09	1.7E-08	8.5E-08	5.5E-08	5.0E-08	5.9E-08	2.7E-07
628	R_16	259750.34	4021904.01	259750.34, 40	0.000321534	4.19E-04	1.1E-07	3.4E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	3.7E-09	1.9E-08	9.3E-08	6.0E-08	5.5E-08	6.5E-08	2.9E-07
629	R_16	259750.34	4021924.01	259750.34, 40	0.000349957	4.63E-04	1.2E-07	3.7E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	4.0E-09	2.0E-08	1.0E-07	6.7E-08	6.0E-08	7.2E-08	3.3E-07
630	R_17	259750.34	4021944.01	259750.34, 40	0.000382307	5.20E-04	1.3E-07	4.0E-07	5.4E-07	3.1E-07	2.9E-07	1.3E-07	4.4E-09	2.2E-08	1.2E-07	7.5E-08	6.8E-08	8.0E-08	3.6E-07
631	R_17	259750.34	4021964.01	259750.34, 40	0.000419368	5.99E-04	1.5E-07	4.4E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	4.8E-09	2.4E-08	1.3E-07	8.6E-08	7.8E-08	9.2E-08	4.2E-07
632	R_17	259750.34	4021984.01	259750.34, 40	0.000462052	7.13E-04	1.6E-07	4.8E-07	7.5E-07	4.3E-07	3.9E-07	1.8E-07	5.3E-09	2.7E-08	1.6E-07	1.0E-07	9.3E-08	1.1E-07	5.0E-07
633	R_17	259750.34	4022004.01	259750.34, 40	0.000511589	9.02E-04	1.8E-07	5.3E-07	9.4E-07	5.5E-07	4.9E-07	2.3E-07	5.9E-09	3.0E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.2E-07
634	R_17	259750.34	4022024.01	259750.34, 40	0.000569549	1.27E-03	2.0E-07	6.0E-07	1.3E-06	7.7E-07	6.9E-07	3.2E-07	6.6E-09	3.3E-08	2.8E-07	1.8E-07	1.6E-07	2.0E-07	8.6E-07
635	R_17	259770.34	4021844.01	259770.34, 40	0.000264093	3.40E-04	9.1E-08	2.8E-07	3.6E-07	2.1E-07	1.9E-07	8.5E-08	3.1E-09	1.5E-08	7.5E-08	4.9E-08	4.4E-08	5.2E-08	2.4E-07
636	R_17	259770.34	4021864.01	259770.34, 40	0.000285398	3.65E-04	9.9E-08	3.0E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.3E-09	1.7E-08	8.1E-08	5.2E-08	4.8E-08	5.6E-08	2.6E-07
637	R_17	259770.34	4021884.01	259770.34, 40	0.000309438	3.94E-04	1.1E-07	3.2E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	3.6E-09	1.8E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	2.8E-07
638	R_17	259770.34	4021904.01	259770.34, 40	0.000336696	4.30E-04	1.2E-07	3.5E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	3.9E-09	2.0E-08	9.5E-08	6.2E-08	5.6E-08	6.6E-08	3.0E-07
639	R_17	259770.34	4021924.01	259770.34, 40	0.000367728	4.75E-04	1.3E-07	3.8E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	4.3E-09	2.1E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.3E-07
640	R_18	259770.34	4021944.01	259770.34, 40	0.00040327	5.33E-04	1.4E-07	4.2E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	4.7E-09	2.3E-08	1.2E-07	7.7E-08	6.9E-08	8.2E-08	3.7E-07
641	R_18	259770.34	4021964.01	259770.34, 40	0.000444194	6.12E-04	1.5E-07	4.6E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	5.1E-09	2.6E-08	1.4E-07	8.8E-08	8.0E-08	9.4E-08	4.3E-07
642	R_18	259770.34	4021984.01	259770.34, 40	0.000491653	7.29E-04	1.7E-07	5.1E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	5.7E-09	2.9E-08	1.6E-07	1.0E-07	9.5E-08	1.1E-07	5.1E-07
643	R_18	259770.34	4022004.01	259770.34, 40	0.00054708	9.22E-04	1.9E-07	5.7E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	6.3E-09	3.2E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.4E-07
644	R_18	259770.34	4022024.01	259770.34, 40	0.000612398	1.30E-03	2.1E-07	6.4E-07	1.4E-06	7.8E-07	7.1E-07	3.2E-07	7.1E-09	3.6E-08	2.9E-07	1.9E-07	1.7E-07	2.0E-07	8.8E-07
645	R_18	259790.34	4021844.01	259790.34, 40	0.000273872	3.50E-04	9.5E-08	2.9E-07	3.7E-07	2.1E-07	1.9E-07	8.8E-08	3.2E-09	1.6E-08	7.7E-08	5.0E-08	4.6E-08	5.4E-08	2.5E-07
646	R_18	259790.34	4021864.01	259790.34, 40	0.000296747	3.76E-04	1.0E-07	3.1E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.4E-09	1.7E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
647	R_18	259790.34	4021884.01	259790.34, 40	0.000322675	4.06E-04	1.1E-07	3.4E-07	4.2E-07	2.5E-07	2.2E-07	1.0E-07	3.7E-09	1.9E-08	9.0E-08	5.8E-08	5.3E-08	6.3E-08	2.9E-07
648	R_18	259790.34	4021904.01	259790.34, 40	0.0003522	4.42E-04	1.2E-07	3.7E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.1E-09	2.0E-08	9.8E-08	6.4E-08	5.8E-08	6.8E-08	3.1E-07
649	R_18	259790.34	4021924.01	259790.34, 40	0.000386019	4.87E-04	1.3E-07	4.0E-07	5.1E-07	2.9E-07	2.7E-07	1.2E-07	4.5E-09	2.2E-08	1.1E-07	7.0E-08	6.4E-08	7.5E-08	3.4E-07
650	R_19	259790.34	4021944.01	259790.34, 40	0.000424942	5.46E-04	1.5E-07	4.4E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	4.9E-09	2.5E-08	1.2E-07	7.9E-08	7.1E-08	8.4E-08	3.8E-07
651	R_19	259790.34	4021964.01	259790.34, 40	0.000470071	6.27E-04	1.6E-07	4.9E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	5.4E-09	2.7E-08	1.4E-07	9.0E-08	8.2E-08	9.7E-08	4.4E-07
652	R_19	259790.34	4021984.01	259790.34, 40	0.000522749	7.47E-04	1.8E-07	5.5E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	6.0E-09	3.0E-08	1.7E-07	1.1E-07	9.7E-08	1.2E-07	5.2E-07
653	R_19	259790.34	4022004.01	259790.34, 40	0.000584736	9.43E-04	2.0E-07	6.1E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	6.8E-09	3.4E-08	2.1E-07	1.4E-07	1.2E-07	1.5E-07	6.5E-07
654	R_19	259790.34	4022024.01	259790.34, 40	0.000658375	1.33E-03	2.3E-07	6.9E-07	1.4E-06	8.0E-07	7.3E-07	3.3E-07	7.6E-09	3.8E-08	2.9E-07	1.9E-07	1.7E-07	2.0E-07	9.1E-07
655	R_19	259810.34	4021844.01	259810.34, 40	0.000284006	3.62E-04	9.8E-08	3.0E-07	3.8E-07	2.2E-07	2.0E-07	9.1E-08	3.3E-09	1.7E-08	8.0E-08	5.2E-08	4.7E-08	5.6E-08	2.5E-07
656	R_19	259810.34	4021864.01	259810.34, 40	0.000308528	3.88E-04	1.1E-07	3.2E-07	4.1E-07	2.3E-07	2.1E-07	9.7E-08	3.6E-09	1.8E-08	8.6E-08	5.6E-08	5.1E-08	6.0E-08	2.7E-07
657	R_19	259810.34	4021884.01	259810.34, 40	0.000336444	4.18E-04	1.2E-07	3.5E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	3.9E-09	2.0E-08	9.3E-08	6.0E-08	5.5E-08	6.5E-08	3.0E-07
658	R_19	259810.34	4021904.01	259810.34, 40	0.000368376	4.55E-04	1.3E-07	3.9E-07	4.8E-07	2.8E-07	2.5E-07	1.1E-07	4.3E-09	2.1E-08	1.0E-07	6.5E-08	5.9E-08	7.0E-08	3.2E-07
659	R_19	259810.34	4021924.01	259810.34, 40	0.000405108	5.02E-04	1.4E-07	4.2E-07	5.2E-07	3.0E-07	2.8E-07	1.3E-07	4.7E-09	2.4E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	3.5E-07
660	R_20	259810.34	4021944.01	259810.34, 40	0.000447666	5.62E-04	1.5E-07	4.7E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.2E-09	2.6E-08	1.2E-07	8.1E-08	7.3E-08	8.7E-08	4.0E-07
661	R_20	259810.34	4021964.01	259810.34, 40	0.000497316	6.44E-04	1.7E-07	5.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	5.7E-09	2.9E-08	1.4E-07	9.3E-08	8.4E-08	9.9E-08	4.5E-07
662	R_20	259810.34	4021984.01	259810.34, 40	0.000555681	7.66E-04	1.9E-07	5.8E-07	8.0E-07	4.6E-07	4.2E-07	1.9E-07	6.4E-09	3.2E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.4E-07
663	R_20	259810.34	4022004.01	259810.34, 40	0.000624912	9.67E-04	2.2E-07	6.5E-07	1.0E-06	5.9E-07	5.3E-07	2.4E-07	7.2E-09	3.6E-08	2.1E-07	1.4E-07	1.3E-07	1.5E-07	6.7E-07
664	R_20	259810.34	4022024.01	259810.34, 40	0.000707847	1.36E-03	2.5E-07	7.4E-07	1.4E-06	8.2E-07	7.5E-07	3.4E-07	8.2E-09	4.1E-08	3.0E-07	2.0E-07	1.8E-07	2.1E-07	9.3E-07
665	R_20	259830.34	4021844.01	259830.34, 40	0.000294887	3.76E-04	1.0E-07	3.1E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	3.4E-09	1.7E-08	8.3E-08	5.4E-08	4.9E-08	5.8E-08	2.6E-07
666	R_20	259830.34	4021864.01	259830.34, 40	0.000321182	4.03E-04	1.1E-07	3.4E-07	4.2E-07	2.4E-07	2.2E-07	1.0E-07	3.7E-09	1.9E-08	8.9E-08	5.8E-08	5.2E-08	6.2E-08	2.8E-07
667	R_20	259830.34	4021884.01	259830.34, 40	0.000351239	4.34E-04	1.2E-07	3.7E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	4.1E-09	2.0E-08	9.6E-08	6.2E-08	5.6E-08	6.7E-08	3.1E-07
668	R_20	259830.34	4021904.01	259830.34, 40	0.00038578	4.71E-04	1.3E-07	4.0E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	4.5E-09	2.2E-08	1.0E-07	6.8E-08	6.1E-08	7.3E-08	3.3E-07
669	R_20	259830.34	4021924.01	259830.34, 40	0.000425716	5.18E-04	1.5E-07	4.4E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.9E-09	2.5E-08	1.1E-07	7.5E-08	6.8E-08	8.0E-08	3.7E-07
670	R_21	259830.34	4021944.01	259830.34, 40	0.000472239	5.79E-04	1.6E-07	4.9E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	5.5E-09	2.7E-08	1.3E-07	8.3E-08	7.6E-08	8.9E-08	4.1E-07
671	R_21	259830.34	4021964.01	259830.34, 40	0.00052688	6.63E-04	1.8E-07	5.5E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	6.1E-09	3.1E-08	1.5E-07	9.5E-08	8.6E-08	1.0E-07	4.7E-07
672	R_21	259830.34	4021984.01	259830.34, 40	0.000591564	7.87E-04	2.0E-07	6.2E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	6.8E-09	3.4E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.5E-07
673	R_21	259830.34	4022004.01	259830.34, 40	0.000668901	9.93E-04	2.3E-07	7.0E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	7.7E-09	3.9E-08	2.2E-07	1.4E-07	1.3E-07	1.5E-07	6.9E-07
674	R_21	259830.34	4022024.01	259830.34, 40	0.000762398	1.40E-03	2.6E-07	8.0E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	8.8E-09	4.4E-08	3.1E-07	2.0E-07	1.8E-07	2.2E-07	9.6E-07
675	R_21	259850.34	4021844.01	259850.34, 40	0.000307035	3.93E-04	1.1E-07	3.2E-07	4.1E-07	2.4E-07	2.2E-07	9.8E-08	3.5E-09	1.8E-08	8.7E-08	5.6E-08	5.1E-08	6.1E-08	2.8E-07
676	R_21	259850.34	4021864.01	259850.34, 40	0.000335319	4.20E-04	1.2E-07	3.5E-07	4.4E-07	2.5E-07	2.3E-07	1.1E-07	3.9E-09	2.0E-08	9.3E-08	6.0E-08	5.5E-08	6.5E-08	3.0E-07
677	R_21	259850.34	4021884.01	259850.34, 40	0.000367795	4.52E-04	1.3E-07	3.8E-07	4.7E-07	2.7E-07	2.5E-07	1.1E-07	4.3E-09	2.1E-08	1.0E-07	6.5E-08	5.9E-08	7.0E-08	3.2E-07
678	R_21	259850.34	4021904.01	259850.34, 40	0.000405287	4.90E-04	1.4E-07	4.2E-07	5.1E-07	3.0E-07	2.7E-07	1.2E-07	4.7E-09	2.4E-08	1.1E-07	7.0E-08	6.4E-08	7.6E-08	3.5E-07
679	R_21	259850.34	4021924.01	259850.34, 40	0.000448883	5.38E-04	1.6E-07	4.7E-07	5.6E-07	3.3E-07	2.9E-07	1.3E-07	5.2E-09	2.6E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	3.8E-07
680	R_22	259850.34	4021944.01	259850.34, 40	0.000499965	6.00E-04	1.7E-07	5.2E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	5.8E-09	2.9E-08	1.3E-07	8.6E-08	7.8E-08	9.3E-08	4.2E-07
681	R_22	259850.34	4021964.01	259850.34, 40	0.000560343	6.85E-04	1.9E-07	5.9E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	6.5E-09	3.3E-08	1.5E-07	9.9E-08	8.9E-08	1.1E-07	4.8E-07
682	R_22	259850.34	4021984.01	259850.34, 40	0.000632373	8.12E-04	2.2E-07	6.6E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	7.3E-09	3.7E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	5.7E-07
683	R_22	259850.34	4022004.01	259850.34, 40	0.000719171	1.02E-03	2.5E-07	7.5E-07	1.1E-06	6.2E-07	5.6E-07	2.6E-07	8.3E-09	4.2E-08	2.3E-07	1.5E-07	1.3E-07	1.6E-07	7.1E-07
684	R_22	259850.34	4022024.01	259850.34, 40	0.000825181	1.44E-03	2.9E-07	8.6E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	9.5E-09	4.8E-08	3.2E-07	2.1E-07	1.9E-07	2.2E-07	9.9E-07
685	R_22	259870.34	4021844.01	259870.34, 40	0.000321107	4.13E-04	1.1E-07	3.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	3.7E-09	1.9E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	2.9E-07
686	R_22	259870.34	4021864.01	259870.34, 40	0.000351696	4.41E-04	1.2E-07	3.7E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	4.1E-09	2.0E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.1E-07
687	R_22	259870.34	4021884.01	259870.34, 40	0.000386997	4.73E-04	1.3E-07	4.0E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	4.5E-09	2.3E-08	1.0E-07	6.8E-08	6.2E-08	7.3E-08	3.3E-07
688	R_22	259870.34	4021904.01	259870.34, 40	0.000427947	5.12E-04	1.5E-07	4.5E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.9E-09	2.5E-08	1.1E-07	7.4E-08	6.7E-08	7.9E-08	3.6E-07
689	R_22	259870.34	4021924.01	259870.34, 40	0.000475824	5.61E-04	1.6E-07	5.0E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	5.5E-09	2.8E-08	1.2E-07	8.1E-08	7.3E-08	8.7E-08	4.0E-07
690	R_23	259870.34	4021944.01	259870.34, 40	0.000532263	6.25E-04	1.8E-07	5.6E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.2E-09	3.1E-08	1.4E-07	9.0E-08	8.1E-08	9.6E-08	4.4E-07
691	R_23	259870.34	4021964.01	259870.34, 40	0.000599468	7.13E-04	2.1E-07	6.3E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	6.9E-09	3.5E-08	1.6E-07	1.0E-07	9.3E-08	1.1E-07	5.0E-07
692	R_23	259870.34	4021984.01	259870.34, 40	0.000680325	8.42E-04	2.4E-07	7.1E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	7.9E-09	4.0E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	5.9E-07
693	R_23	259870.34	4022004.01	259870.34, 40	0.000778825	1.06E-03	2.7E-07	8.1E-07	1.1E-06	6.4E-07	5.8E-07	2.6E-07	9.0E-09	4.5E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.4E-07
694	R_23	259870.34	4022024.01	259870.34, 40	0.000900374	1.49E-03	3.1E-07	9.4E-07	1.6E-06	9.0E-07	8.2E-07	3.7E-07	1.0E-08	5.2E-08	3.3E-07	2.1E-07	1.9E-07	2.3E-07	1.0E-06
695	R_23	259890.34	4021844.01	259890.34, 40	0.000337738	4.39E-04	1.2E-07	3.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	3.9E-09	2.0E-08	9.7E-08	6.3E-08	5.7E-08	6.8E-08	3.1E-07
696	R_23	259890.34	4021864.01	259890.34, 40	0.000371063	4.67E-04	1.3E-07	3.9E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	4.3E-09	2.2E-08	1.0E-07	6.7E-08	6.1E-08	7.2E-08	3.3E-07
697	R_23	259890.34	4021884.01	259890.34, 40	0.000409707	5.00E-04	1.4E-07	4.3E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	4.7E-09	2.4E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	3.5E-07

698	R_23	259890.34	4021904.01	259890.34, 40	0.00045476	5.41E-04	1.6E-07	4.8E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	5.3E-09	2.6E-08	1.2E-07	7.8E-08	7.0E-08	8.3E-08	3.8E-07
699	R_23	259890.34	4021924.01	259890.34, 40	0.000507767	5.91E-04	1.8E-07	5.3E-07	6.2E-07	3.6E-07	3.2E-07	1.5E-07	5.9E-09	3.0E-08	1.3E-07	8.5E-08	7.7E-08	9.1E-08	4.2E-07
700	R_24	259890.34	4021944.01	259890.34, 40	0.000570728	6.56E-04	2.0E-07	6.0E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	6.6E-09	3.3E-08	1.5E-07	9.4E-08	8.6E-08	1.0E-07	4.7E-07
701	R_24	259890.34	4021964.01	259890.34, 40	0.000646317	7.46E-04	2.2E-07	6.8E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.5E-09	3.8E-08	1.6E-07	1.1E-07	9.7E-08	1.2E-07	5.3E-07
702	R_24	259890.34	4021984.01	259890.34, 40	0.000738079	8.79E-04	2.6E-07	7.7E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	8.5E-09	4.3E-08	1.9E-07	1.3E-07	1.1E-07	1.4E-07	6.2E-07
703	R_24	259890.34	4022004.01	259890.34, 40	0.000851054	1.10E-03	2.9E-07	8.9E-07	1.1E-06	6.7E-07	6.0E-07	2.8E-07	9.8E-09	5.0E-08	2.4E-07	1.6E-07	1.4E-07	1.7E-07	7.7E-07
704	R_24	259890.34	4022024.01	259890.34, 40	0.000992157	1.54E-03	3.4E-07	1.0E-06	1.6E-06	9.3E-07	8.5E-07	3.9E-07	1.1E-08	5.8E-08	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.1E-06
705	R_24	259910.34	4021844.01	259910.34, 40	0.000357535	4.72E-04	1.2E-07	3.7E-07	4.9E-07	2.9E-07	2.6E-07	1.2E-07	4.1E-09	2.1E-08	1.0E-07	6.8E-08	6.1E-08	7.3E-08	3.3E-07
706	R_24	259910.34	4021864.01	259910.34, 40	0.000394127	5.01E-04	1.4E-07	4.1E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	4.6E-09	2.3E-08	1.1E-07	7.2E-08	6.5E-08	7.7E-08	3.5E-07
707	R_24	259910.34	4021884.01	259910.34, 40	0.000436761	5.35E-04	1.5E-07	4.6E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	5.0E-09	2.5E-08	1.2E-07	7.7E-08	7.0E-08	8.3E-08	3.8E-07
708	R_24	259910.34	4021904.01	259910.34, 40	0.000486779	5.76E-04	1.7E-07	5.1E-07	6.0E-07	3.5E-07	3.2E-07	1.4E-07	5.6E-09	2.8E-08	1.3E-07	8.3E-08	7.5E-08	8.9E-08	4.1E-07
709	R_24	259910.34	4021924.01	259910.34, 40	0.000546029	6.28E-04	1.9E-07	5.7E-07	6.6E-07	3.8E-07	3.4E-07	1.6E-07	6.3E-09	3.2E-08	1.4E-07	9.0E-08	8.2E-08	9.7E-08	4.5E-07
710	R_25	259910.34	4021944.01	259910.34, 40	0.000616944	6.95E-04	2.1E-07	6.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	7.1E-09	3.6E-08	1.5E-07	1.0E-07	9.1E-08	1.1E-07	4.9E-07
711	R_25	259910.34	4021964.01	259910.34, 40	0.000702753	7.86E-04	2.4E-07	7.3E-07	8.2E-07	4.8E-07	4.3E-07	2.0E-07	8.1E-09	4.1E-08	1.7E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
712	R_25	259910.34	4021984.01	259910.34, 40	0.0008079	9.23E-04	2.8E-07	8.4E-07	9.6E-07	5.6E-07	5.1E-07	2.3E-07	9.3E-09	4.7E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.6E-07
713	R_25	259910.34	4022004.01	259910.34, 40	0.000938681	1.15E-03	3.2E-07	9.8E-07	1.2E-06	7.0E-07	6.3E-07	2.9E-07	1.1E-08	5.5E-08	2.5E-07	1.7E-07	1.5E-07	1.8E-07	8.1E-07
714	R_25	259910.34	4022024.01	259910.34, 40	0.001104024	1.61E-03	3.8E-07	1.2E-06	1.7E-06	9.7E-07	8.8E-07	4.0E-07	1.3E-08	6.4E-08	3.6E-07	2.3E-07	2.1E-07	2.5E-07	1.1E-06
715	R_25	259930.34	4021844.01	259930.34, 40	0.000380966	5.16E-04	1.3E-07	4.0E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	4.4E-09	2.2E-08	1.1E-07	7.4E-08	6.7E-08	8.0E-08	3.6E-07
716	R_25	259930.34	4021864.01	259930.34, 40	0.000421447	5.46E-04	1.5E-07	4.4E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	4.9E-09	2.5E-08	1.2E-07	7.8E-08	7.1E-08	8.4E-08	3.8E-07
717	R_25	259930.34	4021884.01	259930.34, 40	0.000468868	5.81E-04	1.6E-07	4.9E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	5.4E-09	2.7E-08	1.3E-07	8.3E-08	7.6E-08	9.0E-08	4.1E-07
718	R_25	259930.34	4021904.01	259930.34, 40	0.000524863	6.23E-04	1.8E-07	5.5E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	6.1E-09	3.1E-08	1.4E-07	9.0E-08	8.1E-08	9.6E-08	4.4E-07
719	R_25	259930.34	4021924.01	259930.34, 40	0.000591636	6.76E-04	2.0E-07	6.2E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	6.8E-09	3.4E-08	1.5E-07	9.7E-08	8.8E-08	1.0E-07	4.8E-07
720	R_26	259930.34	4021944.01	259930.34, 40	0.000672087	7.44E-04	2.3E-07	7.0E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.8E-09	3.9E-08	1.6E-07	1.1E-07	9.7E-08	1.1E-07	5.3E-07
721	R_26	259950.34	4021844.01	259950.34, 40	0.000408336	5.79E-04	1.4E-07	4.3E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	4.7E-09	2.4E-08	1.3E-07	8.3E-08	7.6E-08	8.9E-08	4.0E-07
722	R_26	259950.34	4021864.01	259950.34, 40	0.000453426	6.10E-04	1.6E-07	4.7E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	5.2E-09	2.6E-08	1.3E-07	8.8E-08	7.9E-08	9.4E-08	4.3E-07
723	R_26	259950.34	4021884.01	259950.34, 40	0.000506508	6.45E-04	1.8E-07	5.3E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	5.9E-09	2.9E-08	1.4E-07	9.3E-08	8.4E-08	1.0E-07	4.5E-07
724	R_26	259950.34	4021904.01	259950.34, 40	0.00056957	6.89E-04	2.0E-07	6.0E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	6.6E-09	3.3E-08	1.5E-07	9.9E-08	9.0E-08	1.1E-07	4.9E-07
725	R_26	259950.34	4021924.01	259950.34, 40	0.000645221	7.43E-04	2.2E-07	6.7E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	7.5E-09	3.8E-08	1.6E-07	1.1E-07	9.7E-08	1.1E-07	5.3E-07
726	R_26	259950.34	4021944.01	259950.34, 40	0.000736943	8.13E-04	2.6E-07	7.7E-07	8.5E-07	4.9E-07	4.5E-07	2.0E-07	8.5E-09	4.3E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	5.8E-07
727	R_26	259970.34	4021844.01	259970.34, 40	0.000439707	6.81E-04	1.5E-07	4.6E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	5.1E-09	2.6E-08	1.5E-07	9.8E-08	8.9E-08	1.1E-07	4.7E-07
728	R_26	259970.34	4021864.01	259970.34, 40	0.000490155	7.11E-04	1.7E-07	5.1E-07	7.4E-07	4.3E-07	3.9E-07	1.8E-07	5.7E-09	2.9E-08	1.6E-07	1.0E-07	9.3E-08	1.1E-07	5.0E-07
729	R_26	259970.34	4021884.01	259970.34, 40	0.000549822	7.47E-04	1.9E-07	5.7E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	6.4E-09	3.2E-08	1.7E-07	1.1E-07	9.7E-08	1.2E-07	5.2E-07
730	R_27	259970.34	4021904.01	259970.34, 40	0.000621027	7.92E-04	2.1E-07	6.5E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	7.2E-09	3.6E-08	1.8E-07	1.1E-07	1.0E-07	1.2E-07	5.6E-07
731	R_27	259970.34	4021924.01	259970.34, 40	0.000706847	8.47E-04	2.4E-07	7.4E-07	8.9E-07	5.1E-07	4.6E-07	2.1E-07	8.2E-09	4.1E-08	1.9E-07	1.2E-07	1.1E-07	1.3E-07	6.0E-07
732	R_27	259970.34	4021944.01	259970.34, 40	0.00081136	9.18E-04	2.8E-07	8.5E-07	9.6E-07	5.6E-07	5.0E-07	2.3E-07	9.4E-09	4.7E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
733	R_27	259990.34	4021844.01	259990.34, 40	0.000474992	8.76E-04	1.6E-07	5.0E-07	9.2E-07	5.3E-07	4.8E-07	2.2E-07	5.5E-09	2.8E-08	1.9E-07	1.3E-07	1.1E-07	1.4E-07	6.0E-07
734	R_27	259990.34	4021864.01	259990.34, 40	0.000531455	9.03E-04	1.8E-07	5.6E-07	9.4E-07	5.5E-07	5.0E-07	2.3E-07	6.1E-09	3.1E-08	2.0E-07	1.3E-07	1.2E-07	1.4E-07	6.2E-07
735	R_27	259990.34	4021884.01	259990.34, 40	0.000598481	9.38E-04	2.1E-07	6.3E-07	9.8E-07	5.7E-07	5.1E-07	2.3E-07	6.9E-09	3.5E-08	2.1E-07	1.3E-07	1.2E-07	1.4E-07	6.5E-07
736	R_27	259990.34	4021904.01	259990.34, 40	0.000678538	9.85E-04	2.3E-07	7.1E-07	1.0E-06	6.0E-07	5.4E-07	2.5E-07	7.8E-09	3.9E-08	2.2E-07	1.4E-07	1.3E-07	1.5E-07	6.9E-07
737	R_27	259990.34	4021924.01	259990.34, 40	0.000775502	1.04E-03	2.7E-07	8.1E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	9.0E-09	4.5E-08	2.3E-07	1.5E-07	1.4E-07	1.6E-07	7.3E-07
738	R_27	259990.34	4021944.01	259990.34, 40	0.000893971	1.11E-03	3.1E-07	9.3E-07	1.2E-06	6.7E-07	6.1E-07	2.8E-07	1.0E-08	5.2E-08	2.5E-07	1.6E-07	1.4E-07	1.7E-07	7.8E-07
739	R_27	260122.8	4022046.18	260122.8, 402	0.002531228	1.61E-03	8.8E-07	2.6E-06	1.7E-06	9.7E-07	8.8E-07	4.0E-07	2.9E-08	1.5E-07	3.5E-07	2.3E-07	2.1E-07	2.5E-07	1.2E-06
740	R_28	260142.8	4022066.18	260142.8, 402	0.002605931	1.50E-03	9.0E-07	2.7E-06	1.6E-06	9.0E-07	8.2E-07	3.7E-07	3.0E-08	1.5E-07	3.3E-07	2.2E-07	1.9E-07	2.3E-07	1.2E-06
741	R_28	260142.8	4022086.18	260142.8, 402	0.002823754	1.35E-03	9.8E-07	3.0E-06	1.4E-06	8.1E-07	7.4E-07	3.4E-07	3.3E-08	1.6E-07	3.0E-07	1.9E-07	1.8E-07	2.1E-07	1.1E-06
742	R_28	260142.8	4022106.18	260142.8, 402	0.003022037	1.27E-03	1.0E-06	3.2E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	3.5E-08	1.8E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.0E-06
743	R_28	260142.8	4022126.18	260142.8, 402	0.003185536	1.21E-03	1.1E-06	3.3E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	3.7E-08	1.9E-07	2.7E-07	1.7E-07	1.6E-07	1.9E-07	1.0E-06
744	R_28	260142.8	4022146.18	260142.8, 402	0.00330076	1.16E-03	1.1E-06	3.4E-06	1.2E-06	7.0E-07	6.4E-07	2.9E-07	3.8E-08	1.9E-07	2.6E-07	1.7E-07	1.5E-07	1.8E-07	9.8E-07
745	R_28	260142.8	4022166.18	260142.8, 402	0.003357271	1.10E-03	1.2E-06	3.5E-06	1.2E-06	6.7E-07	6.0E-07	2.8E-07	3.9E-08	2.0E-07	2.4E-07	1.6E-07	1.4E-07	1.7E-07	9.5E-07
746	R_28	260162.8	4022066.18	260162.8, 402	0.00236424	1.40E-03	8.2E-07	2.5E-06	1.5E-06	8.5E-07	7.7E-07	3.5E-07	2.7E-08	1.4E-07	3.1E-07	2.0E-07	1.8E-07	2.2E-07	1.1E-06
747	R_28	260162.8	4022086.18	260162.8, 402	0.002512317	1.24E-03	8.7E-07	2.6E-06	1.3E-06	7.5E-07	6.8E-07	3.1E-07	2.9E-08	1.5E-07	2.7E-07	1.8E-07	1.6E-07	1.9E-07	9.8E-07
748	R_28	260162.8	4022106.18	260162.8, 402	0.002633252	1.15E-03	9.1E-07	2.8E-06	1.2E-06	7.0E-07	6.3E-07	2.9E-07	3.0E-08	1.5E-07	2.5E-07	1.7E-07	1.5E-07	1.8E-07	9.3E-07
749	R_28	260162.8	4022126.18	260162.8, 402	0.00271728	1.08E-03	9.4E-07	2.8E-06	1.1E-06	6.6E-07	5.9E-07	2.7E-07	3.1E-08	1.6E-07	2.4E-07	1.6E-07	1.4E-07	1.7E-07	8.9E-07
750	R_29	260162.8	4022146.18	260162.8, 402	0.002758902	1.03E-03	9.6E-07	2.9E-06	1.1E-06	6.2E-07	5.6E-07	2.6E-07	3.2E-08	1.6E-07	2.3E-07	1.5E-07	1.3E-07	1.6E-07	8.6E-07
751	R_29	260162.8	4022166.18	260162.8, 402	0.002756278	9.70E-04	9.5E-07	2.9E-06	1.0E-06	5.9E-07	5.3E-07	2.4E-07	3.2E-08	1.6E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	8.2E-07
752	R_29	260182.8	4022066.18	260182.8, 402	0.002119473	1.31E-03	7.3E-07	2.2E-06	1.4E-06	7.9E-07	7.2E-07	3.3E-07	2.4E-08	1.2E-07	2.9E-07	1.9E-07	1.7E-07	2.0E-07	1.0E-06
753	R_29	260182.8	4022086.18	260182.8, 402	0.002213456	1.14E-03	7.7E-07	2.3E-06	1.2E-06	6.9E-07	6.3E-07	2.9E-07	2.6E-08	1.3E-07	2.5E-07	1.6E-07	1.5E-07	1.8E-07	9.0E-07
754	R_29	260182.8	4022106.18	260182.8, 402	0.002281254	1.05E-03	7.9E-07	2.4E-06	1.1E-06	6.3E-07	5.7E-07	2.6E-07	2.6E-08	1.3E-07	2.3E-07	1.5E-07	1.4E-07	1.6E-07	8.4E-07
755	R_29	260182.8	4022126.18	260182.8, 402	0.002317345	9.78E-04	8.0E-07	2.4E-06	1.0E-06	5.9E-07	5.4E-07	2.4E-07	2.7E-08	1.3E-07	2.2E-07	1.4E-07	1.3E-07	1.5E-07	8.0E-07
756	R_29	260182.8	4022146.18	260182.8, 402	0.002316813	9.18E-04	8.0E-07	2.4E-06	9.6E-07	5.6E-07	5.0E-07	2.3E-07	2.7E-08	1.3E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	7.6E-07
757	R_29	260182.8	4022166.18	260182.8, 402	0.002282642	8.64E-04	7.9E-07	2.4E-06	9.0E-07	5.2E-07	4.7E-07	2.2E-07	2.6E-08	1.3E-07	1.9E-07	1.2E-07	1.1E-07	1.3E-07	7.2E-07
758	R_29	260202.8	4022066.18	260202.8, 402	0.001886666	1.22E-03	6.5E-07	2.0E-06	1.3E-06	7.4E-07	6.7E-07	3.1E-07	2.2E-08	1.1E-07	2.7E-07	1.8E-07	1.6E-07	1.9E-07	9.3E-07
759	R_29	260202.8	4022086.18	260202.8, 402	0.001935277	1.06E-03	6.7E-07	2.0E-06	1.1E-06	6.4E-07	5.8E-07	2.6E-07	2.2E-08	1.1E-07	2.3E-07	1.5E-07	1.4E-07	1.6E-07	8.2E-07
760	R_30	260202.8	4022106.18	260202.8, 402	0.001963578	9.59E-04	6.8E-07	2.1E-06	1.0E-06	5.8E-07	5.3E-07	2.4E-07	2.3E-08	1.1E-07	2.1E-07	1.4E-07	1.2E-07	1.5E-07	7.6E-07
761	R_30	260202.8	4022126.18	260202.8, 402	0.00196731	8.88E-04	6.8E-07	2.1E-06	9.3E-07	5.4E-07	4.9E-07	2.2E-07	2.3E-08	1.1E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	7.1E-07
762	R_30	260202.8	4022146.18	260202.8, 402	0.001944801	8.29E-04	6.7E-07	2.0E-06	8.7E-07	5.0E-07	4.5E-07	2.1E-07	2.2E-08	1.1E-07	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.7E-07
763	R_30	260202.8	4022166.18	260202.8, 402	0.001899429	7.78E-04	6.6E-07	2.0E-06	8.1E-07	4.7E-07	4.3E-07	1.9E-07	2.2E-08	1.1E-07	1.7E-07	1.1E-07	1.0E-07	1.2E-07	6.4E-07
764	W_1	260095.45	4022187.01	260095.45, 40	0.00569182	1.52E-03	2.0E-06	5.9E-06	1.6E-06	9.2E-07	8.4E-07	3.8E-07	6.6E-08	3.3E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.4E-06
765	W_2	260095.45	4022207.01	260095.45, 40	0.005828683	1.45E-03	2.0E-06	6.1E-06	1.5E-06	8.7E-07	7.9E-07	3.6E-07	6.7E-08	3.4E-07	3.2E-07	2.1E-07	1.9E-07	2.2E-07	1.3E-06
766	W_3	260095.45	4022227.01	260095.45, 40	0.005789444	1.35E-03	2.0E-06	6.1E-06	1.4E-06	8.2E-07	7.4E-07	3.4E-07	6.7E-08	3.4E-07	3.0E-07	1.9E-07	1.8E-07	2.1E-07	1.3E-06
767	W_4	260095.45	4022247.01	260095.45, 40	0.005589964	1.26E-03	1.9E-06	5.8E-06	1.3E-06	7.7E-07	6.9E-07	3.2E-07	6.5E-08	3.3E-07	2.8E-07	1.8E-07	1.6E-07	2.0E-07	1.2E-06
768	W_5	260095.45	4022267.01	260095.45, 40	0.00526109	1.19E-03	1.8E-06	5.5E-06	1.2E-06	7.2E-07	6.5E-07	3.0E-07	6.1E-08	3.1E-07	2.6E-07	1.7E-07	1.6E-07	1.8E-07	1.1E-06
769	W_6	260115.45	4022187.01	260115.45, 40	0.004532058	1.28E-03	1.6E-06	4.7E-06	1.3E-06	7.7E-07	7.0E-07	3.2E-07	5.2E-08	2.6E-07	2.8E-07	1.8E-07	1.7E-07	2.0E-07	1.1E-06
770	W_7	260115.45	4022207.01	260115.45, 40	0.004524222	1.21E-03	1.6E-06	4.7E-06	1.3E-06	7.3E-07	6.6E-07	3.0E-07	5.2E-08	2.6E-07	2.7E-07	1.7E-07	1.6E-07	1.9E-07	1.1E-06
771	W_8	260115.45	4022227.01	260115.45, 40	0.004405231	1.13E-03	1.5E-06	4.6E-06	1.2E-06	6.8E-07	6.2E-07	2.8E-07	5.1E-08	2.6E-07	2.5E-07	1.6E-07	1.5E-07	1.7E-07	1.0E-06
772	W_9	260115.45	4022247.01	260115.45, 40	0.004191206	1.06E-03	1.5E-06	4.4E-06	1.1E-06	6.4E-07	5.8E-07	2.7E-07	4.8E-08	2.4E-07	2.3E-07	1.5E-07	1.4E-07	1.6E-07	9.8E-07
773	W_1(	260115.45	4022267.01	260115.45, 40	0.003904064	1.00E-03	1.4E-06	4.1E-06	1.0E-06	6.1E-07	5.5E-07	2.5E-07	4.5E-08	2.3E-07	2.2E-07	1.4E-07	1.3E-07	1.6E-07	9.2E-07
774	W_1	260135.45	4022187.01	260135.45, 40	0.003626902	1.10E-03	1.3E-06	3.8E-06	1.1E-06	6.6E-07	6.0E-07	2.7E-07	4.2E-08	2.1E-07	2.4E-07	1.6E-07	1.4E-07	1.7E-07	9.6E-07
775	W_1	260135.45	4022207.01	260135.45, 40	0.003554672	1.03E-03	1.2E-06	3.7E-06	1.1E-06	6.2E-07	5.7E-07	2.6E-07	4.1E-08	2.1E-07	2.3E-07	1.5E-07	1.3E-07	1.6E-07	9.2E-07
776	W_1	260135.45	4022227.01	260135.45, 40	0.003413863	9.70E-04	1.2E-06	3.6E-06	1.0E-06	5.9E-07	5.3E-07	2.4E-07	3.9E-08	2.0E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	8.7E-07
777	W_1	260135.45	4022247.01	260135.45, 40	0.003217311	9.16E-04	1.1E-06	3.4E-06	9.6E-07	5.5E-07	5.0E-07	2.3E-07	3.7E-08	1.9E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	8.2E-07
778	W_1	260135.45	4022267.01	260135.45, 40	0.002979639	8.71E-04	1.0E-06	3.1E-06	9.1E-07	5.3E-07	4.8E-07	2.2E-07	3.4E-08	1.7E-07	1.9E-07	1.3E-07	1.1E-07	1.3E-07	7.7E-07
779	W_1	260155.45	4022187.01	260155.45, 40	0.002919744	9.55E-04	1.0E-06	3.1E-06	1.0E-06	5.8E-07	5.2E-07	2.4E-07	3.4E-08	1.7E-07	2.1E-07	1.4E-07	1.2E-07	1.5E-07	8.2E-07
780	W_1	260155.45	4022207.01	260155.45, 40	0.002824506	9.00E-04	9.8E-07	3.0E-06	9.4E-07	5.4E-07	4.9E-07	2.3E-07	3.3E-08	1.6E-07	2.0E-07	1.3E-07	1.2E-07	1.4E-07	7.8E-07
781	W_1	260155.45	4022227.01	260155.45, 40	0.002687995	8.50E-04	9.3E-07	2.8E-06	8.9E-07	5.1E-07	4.7E-07	2.1E-07	3.1E-08	1.6E-07	1.9E-07	1.2E-07	1.1E-07	1.3E-07	7.4E-07
782	W_1	260155.45	4022247.01	260155.45, 40	0.002520022	8.06E-04	8.7E-07	2.6E-06	8.4E-07	4.9E-07	4.4E-07	2.0E-07	2.9E-08	1.5E-07	1.8E-07	1.2E-07	1.1E-07	1.2E-07	7.0E-07
783	W_2(	260155.45	4022267.01	260155.45, 40	0.002331209	7.68E-04	8.1E-07	2.4E-06	8.0E-07	4.6E-07	4.2E-07	1.9E-07	2.7E-08	1.4E-07	1.7E-07	1.1E-07	1.0E-07	1.2E-07	6.6E-07
784	W_2	260175.45	4022187.01	260175.45, 40	0.002379046	8.46E-04	8.2E-07	2.5E-06	8.8E-07	5.1E-07	4.6E-07	2.1E-07	2.8E-08	1.4E-07	1.9E-07	1.2E-07	1.1E-07	1.3E-07	7.2E-07
785	W_2	260175.45	4022207.01	260175.45, 40	0.002279535	7.98E-04	7.9E-07	2.4E-06	8.3E-07	4.8E-07	4.4E-07	2.0E-07	2.6E-08	1.3E-07	1.8E-07	1.1E-07	1.0E-07	1.2E-07	6.8E-07
786	W_2	260175.45	4022227.01	260175.45, 40	0.002155924	7.55E-04	7.5E-07	2.3E-06	7.9E-07	4.6E-07	4.1E-07	1.9E-07	2.5E-08	1.3E-07	1.7E-07	1.1E-07	9.8E-08	1.2E-07	6.4E-07
787	W_2	260175.45	4022247.01	260175.45, 40	0.002015696	7.18E-04	7.0E-07	2.1E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	2.3E-08	1.2E-07	1.6E-07	1.0E-07	9.4E-08	1.1E-07	6.1E-07
788	W_2	260175.45	4022267.01	260175.45, 40	0.001864321	6.86E-04	6.5E-07	1.9E-06	7.2E-07	4.1E-07	3.8E-07	1.7E-07	2.2E-08	1.1E-07	1.5E-07	9.9E-08	8.9E-08	1.1E-07	5.8E-07
789	W_2	260195.45	4022187.01	260195.45, 40	0.001958665	7.58E-04	6.8E-07	2.0E-06	7.9E-07	4.6E-07	4.2E-07	1.9E-07	2.3E-08	1.1E-07	1.7E-07	1.1E-07	9.9E-08	1.2E-07	6.3E-07
790	W_2	260195.45	4022207.01	260195.45, 40	0.001864565	7.16E-04	6.5E-07	1.9E-06	7.5E-07	4.3E-07	3.9E-07	1.8E-07	2.2E-08	1.1E-07	1.6E-07	1.0E-07	9.3E-08	1.1E-07	6.0E-07
791	W_2	260195.45	4022227.01	260195.45, 40	0.00175698	6.80E-04	6.1E-07	1.8E-06	7.1E-07	4.1E-07	3.7E-07	1.7E-07	2.0E-08	1.0E-07	1.5E-07	9.8E-08	8.9E-08	1.0E-07	5.6E-07
792	W_2	260195.45	4022247.01	260195.45, 40	0.00164119	6.47E-04	5.7E-07	1.7E-06	6.8E-07	3.9E-07	3.6E-07	1.6E-07	1.9E-08	9.5E-08	1.4E-07	9.3E-08	8.4E-08	1.0E-07	5.3E-07
793	W_3(	260195.45	4022267.01	260195.45, 40	0.001519954	6.19E-04	5.3E-07	1.6E-06	6.5E-07	3.7E-07	3.4E-07	1.5E-07	1.8E-08	8.8E-08	1.4E-07	8.9E-08	8.1E-08	9.5E-08	5.1E-07
794	W_3	260063.43	4022072.23	260063.43, 40	0.003339024	2.00E-03	1.2E-06	3.5E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	3.9E-08	1.9E-07	4.4E-07	2.9E-07	2.6E-07	3.1E-07	1.5E-06
795	W_3	260063.43	4022092.23	260063.43, 40	0.003956059	1.95E-03	1.4E-06	4.1E-06	2.0E-06	1.2E-06	1.1E-06	4.9E-07	4.6E-08	2.3E-07	4.3E-07	2.8E-07	2.5E-07	3.0E-07	1.5E-06
796	W_3	260063.43	4022112.23	260063.43, 40	0.00468814	1.98E-03	1.6E-06	4.9E-06	2.1E-06	1.2E-06	1.1E-06	5.0E-07	5.4E-08	2.7E-07	4.4E-07	2.8E-07	2.6E-07	3.1E-07	1.6E-06
797	W_3	260083.43	4022072.23	260083.43, 40	0.003270026	1.79E-03	1.1E-06	3.4E-06	1.9E-06	1.1E-06	9.8E-07	4.5E-07	3.8E-08	1.9E-07	4.0E-07	2.6E-07	2.3E-07	2.8E-07	1.4E-06
798	W_3	260083.43	4022092.23	260083.43, 40	0.003787927	1.73E-03	1.3E-06	4.0E-06	1.8E-06	1.0E-06	9.5E-07	4.3E-07	4.4E-08	2.2E-07	3.8E-07	2.5E-07	2.3E-07	2.7E-07	1.4E-06

799	W_3(	260083.43	4022112.23	260083.43, 4(	0.004369829	1.73E-03	1.5E-06	4.6E-06	1.8E-06	1.0E-06	9.5E-07	4.3E-07	5.1E-08	2.5E-07	3.8E-07	2.5E-07	2.3E-07	2.7E-07	1.4E-06
800	W_3:	260103.43	4022072.23	260103.43, 4(	0.003120258	1.66E-03	1.1E-06	3.3E-06	1.7E-06	1.0E-06	9.1E-07	4.1E-07	3.6E-08	1.8E-07	3.7E-07	2.4E-07	2.2E-07	2.6E-07	1.3E-06
801	W_3{	260103.43	4022092.23	260103.43, 4(	0.003527155	1.57E-03	1.2E-06	3.7E-06	1.6E-06	9.5E-07	8.6E-07	3.9E-07	4.1E-08	2.1E-07	3.5E-07	2.3E-07	2.0E-07	2.4E-07	1.3E-06
802	W_3{	260103.43	4022112.23	260103.43, 4(	0.003958024	1.54E-03	1.4E-06	4.1E-06	1.6E-06	9.3E-07	8.5E-07	3.9E-07	4.6E-08	2.3E-07	3.4E-07	2.2E-07	2.0E-07	2.4E-07	1.3E-06
803	R_30	260243.42	4022062.81	260243.42, 4(	0.001467641	1.12E-03	5.1E-07	1.5E-06	1.2E-06	6.8E-07	6.1E-07	2.8E-07	1.7E-08	8.5E-08	2.5E-07	1.6E-07	1.5E-07	1.7E-07	8.3E-07
804	R_30	260243.42	4022082.81	260243.42, 4(	0.001476231	9.34E-04	5.1E-07	1.5E-06	9.8E-07	5.7E-07	5.1E-07	2.3E-07	1.7E-08	8.6E-08	2.1E-07	1.3E-07	1.2E-07	1.4E-07	7.1E-07
805	R_30	260243.42	4022102.81	260243.42, 4(	0.001468685	8.29E-04	5.1E-07	1.5E-06	8.7E-07	5.0E-07	4.5E-07	2.1E-07	1.7E-08	8.5E-08	1.8E-07	1.2E-07	1.1E-07	1.3E-07	6.4E-07
806	R_30	260243.42	4022122.81	260243.42, 4(	0.001445231	7.57E-04	5.0E-07	1.5E-06	7.9E-07	4.6E-07	4.2E-07	1.9E-07	1.7E-08	8.4E-08	1.7E-07	1.1E-07	9.9E-08	1.2E-07	5.9E-07
807	R_30	260243.42	4022142.81	260243.42, 4(	0.001407514	7.01E-04	4.9E-07	1.5E-06	7.3E-07	4.2E-07	3.8E-07	1.8E-07	1.6E-08	8.2E-08	1.5E-07	1.0E-07	9.1E-08	1.1E-07	5.5E-07
808	R_30	260243.42	4022162.81	260243.42, 4(	0.001357357	6.54E-04	4.7E-07	1.4E-06	6.8E-07	4.0E-07	3.6E-07	1.6E-07	1.6E-08	7.9E-08	1.4E-07	9.4E-08	8.5E-08	1.0E-07	5.2E-07
809	R_31	260243.42	4022182.81	260243.42, 4(	0.001296493	6.15E-04	4.5E-07	1.4E-06	6.4E-07	3.7E-07	3.4E-07	1.5E-07	1.5E-08	7.5E-08	1.4E-07	8.8E-08	8.0E-08	9.5E-08	4.9E-07
810	R_31	260243.42	4022202.81	260243.42, 4(	0.001227872	5.81E-04	4.3E-07	1.3E-06	6.1E-07	3.5E-07	3.2E-07	1.5E-07	1.4E-08	7.1E-08	1.3E-07	8.4E-08	7.6E-08	9.0E-08	4.6E-07
811	R_31	260243.42	4022222.81	260243.42, 4(	0.001155016	5.52E-04	4.0E-07	1.2E-06	5.8E-07	3.3E-07	3.0E-07	1.4E-07	1.3E-08	6.7E-08	1.2E-07	7.9E-08	7.2E-08	8.5E-08	4.4E-07
812	R_31	260243.42	4022242.81	260243.42, 4(	0.001081063	5.27E-04	3.7E-07	1.1E-06	5.5E-07	3.2E-07	2.9E-07	1.3E-07	1.2E-08	6.3E-08	1.2E-07	7.6E-08	6.9E-08	8.1E-08	4.2E-07
813	R_31	260243.42	4022262.81	260243.42, 4(	0.001008548	5.03E-04	3.5E-07	1.1E-06	5.3E-07	3.0E-07	2.8E-07	1.3E-07	1.2E-08	5.9E-08	1.1E-07	7.2E-08	6.6E-08	7.8E-08	4.0E-07
814	R_31	260243.42	4022282.81	260243.42, 4(	0.000939269	4.82E-04	3.3E-07	9.8E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	1.1E-08	5.5E-08	1.1E-07	6.9E-08	6.3E-08	7.4E-08	3.8E-07
815	R_31	260243.42	4022302.81	260243.42, 4(	0.000874102	4.63E-04	3.0E-07	9.1E-07	4.8E-07	2.8E-07	2.5E-07	1.2E-07	1.0E-08	5.1E-08	1.0E-07	6.7E-08	6.0E-08	7.1E-08	3.6E-07
816	R_31	260243.42	4022322.81	260243.42, 4(	0.00081306	4.46E-04	2.8E-07	8.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	9.4E-09	4.7E-08	9.9E-08	6.4E-08	5.8E-08	6.9E-08	3.5E-07
817	R_31	260243.42	4022342.81	260243.42, 4(	0.000756107	4.33E-04	2.6E-07	7.9E-07	4.5E-07	2.6E-07	2.4E-07	1.1E-07	8.7E-09	4.4E-08	9.6E-08	6.2E-08	5.6E-08	6.7E-08	3.3E-07
818	R_31	260243.42	4022362.81	260243.42, 4(	0.000703675	4.23E-04	2.4E-07	7.4E-07	4.4E-07	2.6E-07	2.3E-07	1.1E-07	8.1E-09	4.1E-08	9.3E-08	6.1E-08	5.5E-08	6.5E-08	3.2E-07
819	R_32	260243.42	4022382.81	260243.42, 4(	0.000655397	4.17E-04	2.3E-07	6.9E-07	4.4E-07	2.5E-07	2.3E-07	1.0E-07	7.6E-09	3.8E-08	9.2E-08	6.0E-08	5.4E-08	6.4E-08	3.2E-07
820	R_32	260243.42	4022402.81	260243.42, 4(	0.000611452	4.13E-04	2.1E-07	6.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	7.1E-09	3.6E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	3.1E-07
821	R_32	260243.42	4022422.81	260243.42, 4(	0.000572181	4.13E-04	2.0E-07	6.0E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	6.6E-09	3.3E-08	9.1E-08	5.9E-08	5.4E-08	6.4E-08	3.1E-07
822	R_32	260263.42	4022362.81	260263.42, 4(	0.000617617	3.94E-04	2.1E-07	6.5E-07	4.1E-07	2.4E-07	2.2E-07	9.9E-08	7.1E-09	3.6E-08	8.7E-08	5.7E-08	5.1E-08	6.1E-08	3.0E-07
823	R_32	260263.42	4022382.81	260263.42, 4(	0.000578361	3.89E-04	2.0E-07	6.0E-07	4.1E-07	2.4E-07	2.1E-07	9.7E-08	6.7E-09	3.4E-08	8.6E-08	5.6E-08	5.1E-08	6.0E-08	2.9E-07
824	R_32	260263.42	4022402.81	260263.42, 4(	0.000542261	3.86E-04	1.9E-07	5.7E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	6.3E-09	3.2E-08	8.5E-08	5.6E-08	5.0E-08	6.0E-08	2.9E-07
825	R_32	260263.42	4022422.81	260263.42, 4(	0.000509164	3.86E-04	1.8E-07	5.3E-07	4.0E-07	2.3E-07	2.1E-07	9.7E-08	5.9E-09	3.0E-08	8.5E-08	5.6E-08	5.0E-08	6.0E-08	2.9E-07

Residential DOSEair =		**(Cair*(BR/BW)*A*EF*10^{-6})**
A	1	Inhalation absorption factor[1]
EF	0.96	Exposure frequency (350/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk =		**DOSEair * CPF * ASF * ED/AT * FAH**
CPF	1.1	Cancer Potency Factor for DPM[4]
AT	70	Averaging Time[5]

Age	**BR/BW**	**ASF**	**FAH**	**ED**
3rd	361	10	0.85	0.25
C 0<2	1090	10	0.85	0.4166667
O 0<2	1090	10	0.85	1.5833333
2<9	631	3	0.72	7
9<16	572	3	0.72	7
16<30	261	1	0.73	53.75

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24

2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year

3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24

4 Cancer Potency Factor for DPM, OEHHA 2015, Table 7.1, page 7-5

5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7

6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)

7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5

8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7

9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5

10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Worker Risk

Discrete Receptor ID		X	Y	X, Y	Concentration [ug/m^3] Construction Total	Operations (DPM) Total	Operations (Benzene) Total	Worker Dose Construction	Operations (DPM)	Operations (Benzene)	Worker Risk Construction	Operations (DPM)	Operations (Benzene)	Worker Risk (Combined) Construction	Operations (DPM)	Operations (Benzene)	Total Combined Risk
1	BKGND	259429.52	4021822.74	259429.52, 4	0.000130728	0.000230205	3.77E-04	2.1E-08	3.6E-08	5.9E-08	2.2E-10	2.3E-08	3.7E-08	2.3E-12	1.4E-08	2.3E-08	3.7E-08
2	BKGND	259488.16	4021822.74	259488.16, 4	0.000143521	0.000240559	3.96E-04	2.3E-08	3.8E-08	6.2E-08	2.4E-10	2.4E-08	3.9E-08	2.5E-12	1.5E-08	2.4E-08	3.9E-08
3	BKGND	259546.8	4021822.74	259546.8, 40	0.000159619	0.000251671	4.18E-04	2.5E-08	4.0E-08	6.6E-08	2.6E-10	2.5E-08	4.1E-08	2.8E-12	1.5E-08	2.6E-08	4.1E-08
4	BKGND	259605.44	4021822.74	259605.44, 4	0.000178783	0.000264035	4.48E-04	2.8E-08	4.2E-08	7.1E-08	3.0E-10	2.6E-08	4.4E-08	3.1E-12	1.6E-08	2.7E-08	4.4E-08
5	BKGND	259664.08	4021822.74	259664.08, 4	0.000200531	0.000278887	4.86E-04	3.2E-08	4.4E-08	7.7E-08	3.3E-10	2.8E-08	4.8E-08	3.5E-12	1.7E-08	3.0E-08	4.7E-08
6	BKGND	259722.72	4021822.74	259722.72, 4	0.000224243	0.000297587	5.26E-04	3.5E-08	4.7E-08	8.3E-08	3.7E-10	2.9E-08	5.2E-08	3.9E-12	1.8E-08	3.2E-08	5.0E-08
7	BKGND	259781.36	4021822.74	259781.36, 4	0.000248602	0.00032234	5.62E-04	3.9E-08	5.1E-08	8.9E-08	4.1E-10	3.2E-08	5.6E-08	4.3E-12	2.0E-08	3.4E-08	5.4E-08
8	BKGND	259840	4021822.74	259840, 402	0.000275229	0.000359482	6.09E-04	4.3E-08	5.7E-08	9.6E-08	4.5E-10	3.6E-08	6.0E-08	4.8E-12	2.2E-08	3.7E-08	5.9E-08
9	BKGND	259898.64	4021822.74	259898.64, 4	0.000313786	0.000425264	6.69E-04	4.9E-08	6.7E-08	1.1E-07	5.2E-10	4.2E-08	6.6E-08	5.4E-12	2.6E-08	4.1E-08	6.7E-08
10	BKGND	259957.28	4021822.74	259957.28, 4	0.000376367	0.00058132	7.88E-04	5.9E-08	9.2E-08	1.2E-07	6.2E-10	5.8E-08	7.8E-08	6.5E-12	3.6E-08	4.8E-08	8.4E-08
11	BKGND	260015.92	4021822.74	260015.92, 4	0.000466099	0.000835655	9.72E-04	7.3E-08	1.3E-07	1.5E-07	7.7E-10	8.3E-08	9.6E-08	8.1E-12	5.1E-08	5.9E-08	1.1E-07
12	BKGND	260074.56	4021822.74	260074.56, 4	0.000575767	0.00092243	1.16E-03	9.1E-08	1.5E-07	1.8E-07	9.5E-10	9.1E-08	1.2E-07	1.0E-11	5.6E-08	7.1E-08	1.3E-07
13	BKGND	260133.2	4021822.74	260133.2, 40	0.000681395	0.000693824	1.41E-03	1.1E-07	1.1E-07	2.2E-07	1.1E-09	6.9E-08	1.4E-07	1.2E-11	4.2E-08	8.6E-08	1.3E-07
14	BKGND	260191.84	4021822.74	260191.84, 4	0.000747893	0.000631795	1.79E-03	1.2E-07	1.0E-07	2.8E-07	1.2E-09	6.3E-08	1.8E-07	1.3E-11	3.9E-08	1.1E-07	1.5E-07
15	BKGND	260250.48	4021822.74	260250.48, 4	0.00075302	0.000598795	2.27E-03	1.2E-07	9.4E-08	3.6E-07	1.2E-09	5.9E-08	2.2E-07	1.3E-11	3.7E-08	1.4E-07	1.8E-07
16	BKGND	260309.12	4021822.74	260309.12, 4	0.000702485	0.000561821	2.62E-03	1.1E-07	8.9E-08	4.1E-07	1.2E-09	5.6E-08	2.6E-07	1.2E-11	3.4E-08	1.6E-07	1.9E-07
17	BKGND	260367.76	4021822.74	260367.76, 4	0.000619965	0.000518151	2.65E-03	9.8E-08	8.2E-08	4.2E-07	1.0E-09	5.1E-08	2.6E-07	1.1E-11	3.2E-08	1.6E-07	1.9E-07
18	BKGND	260426.4	4021822.74	260426.4, 40	0.00052808	0.000473027	2.41E-03	8.3E-08	7.5E-08	3.8E-07	8.7E-10	4.7E-08	2.4E-07	9.1E-12	2.9E-08	1.5E-07	1.8E-07
19	BKGND	260485.04	4021822.74	260485.04, 4	0.00044075	0.000430589	2.05E-03	6.9E-08	6.8E-08	3.2E-07	7.3E-10	4.3E-08	2.0E-07	7.6E-12	2.6E-08	1.3E-07	1.5E-07
20	BKGND	260543.68	4021822.74	260543.68, 4	0.000364119	0.000393707	1.66E-03	5.7E-08	6.2E-08	2.6E-07	6.0E-10	3.9E-08	1.6E-07	6.3E-12	2.4E-08	1.0E-07	1.3E-07
21	BKGND	260602.32	4021822.74	260602.32, 4	0.00029995	0.000363183	1.33E-03	4.7E-08	5.7E-08	2.1E-07	5.0E-10	3.6E-08	1.3E-07	5.2E-12	2.2E-08	8.2E-08	1.0E-07
22	BKGND	259429.52	4021866.26	259429.52, 4	0.000145789	0.000271628	4.21E-04	2.3E-08	4.3E-08	6.6E-08	2.4E-10	2.7E-08	4.2E-08	2.5E-12	1.7E-08	2.6E-08	4.2E-08
23	BKGND	259488.16	4021866.26	259488.16, 4	0.000160368	0.000283091	4.44E-04	2.5E-08	4.5E-08	7.0E-08	2.6E-10	2.8E-08	4.4E-08	2.8E-12	1.7E-08	2.7E-08	4.5E-08
24	BKGND	259546.8	4021866.26	259546.8, 40	0.000179063	0.000295357	4.70E-04	2.8E-08	4.7E-08	7.4E-08	3.0E-10	2.9E-08	4.7E-08	3.1E-12	1.8E-08	2.9E-08	4.7E-08
25	BKGND	259605.44	4021866.26	259605.44, 4	0.000202369	0.000309179	5.02E-04	3.2E-08	4.9E-08	7.9E-08	3.3E-10	3.1E-08	5.0E-08	3.5E-12	1.9E-08	3.1E-08	5.0E-08
26	BKGND	259664.08	4021866.26	259664.08, 4	0.000229956	0.000325825	5.45E-04	3.6E-08	5.1E-08	8.6E-08	3.8E-10	3.2E-08	5.4E-08	4.0E-12	2.0E-08	3.3E-08	5.3E-08
27	BKGND	259722.72	4021866.26	259722.72, 4	0.000261128	0.000346529	5.97E-04	4.1E-08	5.5E-08	9.4E-08	4.3E-10	3.4E-08	5.9E-08	4.5E-12	2.1E-08	3.7E-08	5.8E-08
28	BKGND	259781.36	4021866.26	259781.36, 4	0.00029429	0.000373621	6.44E-04	4.6E-08	5.9E-08	1.0E-07	4.9E-10	3.7E-08	6.4E-08	5.1E-12	2.3E-08	3.9E-08	6.2E-08
29	BKGND	259840	4021866.26	259840, 402	0.000331075	0.000413745	7.00E-04	5.2E-08	6.5E-08	1.1E-07	5.5E-10	4.1E-08	6.9E-08	5.7E-12	2.5E-08	4.3E-08	6.8E-08
30	BKGND	259898.64	4021866.26	259898.64, 4	0.000384388	0.000483465	7.74E-04	6.1E-08	7.6E-08	1.2E-07	6.3E-10	4.8E-08	7.7E-08	6.6E-12	3.0E-08	4.7E-08	7.7E-08
31	BKGND	259957.28	4021866.26	259957.28, 4	0.000471398	0.000642795	9.20E-04	7.4E-08	1.0E-07	1.4E-07	7.8E-10	6.4E-08	9.1E-08	8.2E-12	3.9E-08	5.6E-08	9.6E-08
32	BKGND	260015.92	4021866.26	260015.92, 4	0.000597832	0.000910075	1.16E-03	9.4E-08	1.4E-07	1.8E-07	9.9E-10	9.0E-08	1.1E-07	1.0E-11	5.6E-08	7.1E-08	1.3E-07
33	BKGND	260074.56	4021866.26	260074.56, 4	0.00074372	0.001015189	1.41E-03	1.2E-07	1.6E-07	2.2E-07	1.2E-09	1.0E-07	1.4E-07	1.3E-11	6.2E-08	8.6E-08	1.5E-07
34	BKGND	260133.2	4021866.26	260133.2, 40	0.000867461	0.000791784	1.76E-03	1.4E-07	1.2E-07	2.8E-07	1.4E-09	7.8E-08	1.7E-07	1.5E-11	4.8E-08	1.1E-07	1.6E-07
35	BKGND	260191.84	4021866.26	260191.84, 4	0.000920197	0.000728749	2.30E-03	1.4E-07	1.1E-07	3.6E-07	1.5E-09	7.2E-08	2.3E-07	1.6E-11	4.5E-08	1.4E-07	1.9E-07
36	BKGND	260250.48	4021866.26	260250.48, 4	0.000885624	0.000684077	2.88E-03	1.4E-07	1.1E-07	4.5E-07	1.5E-09	6.8E-08	2.9E-07	1.5E-11	4.2E-08	1.8E-07	2.2E-07
37	BKGND	260309.12	4021866.26	260309.12, 4	0.000788407	0.000631709	3.13E-03	1.2E-07	1.0E-07	4.9E-07	1.3E-09	6.3E-08	3.1E-07	1.4E-11	3.9E-08	1.9E-07	2.3E-07
38	BKGND	260367.76	4021866.26	260367.76, 4	0.00066822	0.000575554	2.95E-03	1.1E-07	9.1E-08	4.6E-07	1.1E-09	5.7E-08	2.9E-07	1.2E-11	3.5E-08	1.8E-07	2.2E-07
39	BKGND	260426.4	4021866.26	260426.4, 40	0.00054995	0.000522993	2.51E-03	8.7E-08	8.2E-08	4.0E-07	9.1E-10	5.2E-08	2.5E-07	9.5E-12	3.2E-08	1.5E-07	1.9E-07
40	BKGND	260485.04	4021866.26	260485.04, 4	0.000445924	0.000477042	2.02E-03	7.0E-08	7.5E-08	3.2E-07	7.4E-10	4.7E-08	2.0E-07	7.7E-12	2.9E-08	1.2E-07	1.5E-07
41	BKGND	260543.68	4021866.26	260543.68, 4	0.000360121	0.000440222	1.59E-03	5.7E-08	6.9E-08	2.5E-07	5.9E-10	4.4E-08	1.6E-07	6.2E-12	2.7E-08	9.7E-08	1.2E-07
42	BKGND	260602.32	4021866.26	260602.32, 4	0.000292112	0.000409372	1.25E-03	4.6E-08	6.4E-08	2.0E-07	4.8E-10	4.1E-08	1.2E-07	5.1E-12	2.5E-08	7.7E-08	1.0E-07
43	BKGND	259429.52	4021909.78	259429.52, 4	0.000163839	0.000331703	4.72E-04	2.6E-08	5.2E-08	7.4E-08	2.7E-10	3.3E-08	4.7E-08	2.8E-12	2.0E-08	2.9E-08	4.9E-08
44	BKGND	259488.16	4021909.78	259488.16, 4	0.000181154	0.000344992	5.03E-04	2.9E-08	5.4E-08	7.9E-08	3.0E-10	3.4E-08	5.0E-08	3.1E-12	2.1E-08	3.1E-08	5.2E-08
45	BKGND	259546.8	4021909.78	259546.8, 40	0.000203181	0.00035917	5.34E-04	3.2E-08	5.7E-08	8.4E-08	3.4E-10	3.6E-08	5.3E-08	3.5E-12	2.2E-08	3.3E-08	5.5E-08
46	BKGND	259605.44	4021909.78	259605.44, 4	0.000231489	0.00037526	5.70E-04	3.6E-08	5.9E-08	9.0E-08	3.8E-10	3.7E-08	5.6E-08	4.0E-12	2.3E-08	3.5E-08	5.8E-08
47	BKGND	259664.08	4021909.78	259664.08, 4	0.000266587	0.000394474	6.18E-04	4.2E-08	6.2E-08	9.7E-08	4.4E-10	3.9E-08	6.1E-08	4.6E-12	2.4E-08	3.8E-08	6.2E-08
48	BKGND	259722.72	4021909.78	259722.72, 4	0.000308095	0.000417873	6.81E-04	4.9E-08	6.6E-08	1.1E-07	5.1E-10	4.1E-08	6.7E-08	5.3E-12	2.6E-08	4.2E-08	6.7E-08
49	BKGND	259781.36	4021909.78	259781.36, 4	0.000354125	0.00044829	7.47E-04	5.6E-08	7.1E-08	1.2E-07	5.8E-10	4.4E-08	7.4E-08	6.1E-12	2.7E-08	4.6E-08	7.3E-08
50	BKGND	259840	4021909.78	259840, 402	0.000406249	0.000492312	8.16E-04	6.4E-08	7.8E-08	1.3E-07	6.7E-10	4.9E-08	8.1E-08	7.0E-12	3.0E-08	5.0E-08	8.0E-08
51	BKGND	259898.64	4021909.78	259898.64, 4	0.000482397	0.000567854	9.08E-04	7.6E-08	8.9E-08	1.4E-07	8.0E-10	5.6E-08	9.0E-08	8.3E-12	3.5E-08	5.6E-08	9.0E-08
52	BKGND	259957.28	4021909.78	259957.28, 4	0.000607971	0.000733286	1.09E-03	9.6E-08	1.2E-07	1.7E-07	1.0E-09	7.3E-08	1.1E-07	1.1E-11	4.5E-08	6.7E-08	1.1E-07
53	BKGND	260015.92	4021909.78	260015.92, 4	0.000788709	0.00102359	1.40E-03	1.2E-07	1.6E-07	2.2E-07	1.3E-09	1.0E-07	1.4E-07	1.4E-11	6.3E-08	8.6E-08	1.5E-07
54	BKGND	260074.56	4021909.78	260074.56, 4	0.000983318	0.00114667	1.75E-03	1.5E-07	1.8E-07	2.8E-07	1.6E-09	1.1E-07	1.7E-07	1.7E-11	7.0E-08	1.1E-07	1.8E-07
55	BKGND	260133.2	4021909.78	260133.2, 40	0.001116397	0.00092983	2.27E-03	1.8E-07	1.5E-07	3.6E-07	1.8E-09	9.2E-08	2.2E-07	1.9E-11	5.7E-08	1.4E-07	2.0E-07
56	BKGND	260191.84	4021909.78	260191.84, 4	0.001129246	0.000858712	3.04E-03	1.8E-07	1.4E-07	4.8E-07	1.9E-09	8.5E-08	3.0E-07	2.0E-11	5.3E-08	1.9E-07	2.4E-07
57	BKGND	260250.48	4021909.78	260250.48, 4	0.00102886	0.000794926	3.64E-03	1.6E-07	1.3E-07	5.7E-07	1.7E-09	7.9E-08	3.6E-07	1.8E-11	4.9E-08	2.2E-07	2.7E-07
58	BKGND	260309.12	4021909.78	260309.12, 4	0.000869217	0.000724337	3.64E-03	1.4E-07	1.1E-07	5.7E-07	1.4E-09	7.2E-08	3.6E-07	1.5E-11	4.4E-08	2.2E-07	2.7E-07
59	BKGND	260367.76	4021909.78	260367.76, 4	0.000705065	0.00065679	3.16E-03	1.1E-07	1.0E-07	5.0E-07	1.2E-09	6.5E-08	3.1E-07	1.2E-11	4.0E-08	1.9E-07	2.3E-07
60	BKGND	260426.4	4021909.78	260426.4, 40	0.000560245	0.000599314	2.52E-03	8.8E-08	9.4E-08	4.0E-07	9.2E-10	5.9E-08	2.5E-07	9.7E-12	3.7E-08	1.5E-07	1.9E-07
61	BKGND	260485.04	4021909.78	260485.04, 4	0.000442118	0.000552401	1.94E-03	7.0E-08	8.7E-08	3.1E-07	7.3E-10	5.5E-08	1.9E-07	7.6E-12	3.4E-08	1.2E-07	1.5E-07
62	BKGND	260543.68	4021909.78	260543.68, 4	0.000349422	0.000516849	1.49E-03	5.5E-08	8.1E-08	2.3E-07	5.8E-10	5.1E-08	1.5E-07	6.0E-12	3.2E-08	9.1E-08	1.2E-07
63	BKGND	260602.32	4021909.78	260602.32, 4	0.000279917	0.000488225	1.16E-03	4.4E-08	7.7E-08	1.8E-07	4.6E-10	4.8E-08	1.2E-07	4.8E-12	3.0E-08	7.1E-08	1.0E-07
64	BKGND	259429.52	4021953.3	259429.52, 4	0.000184752	0.000430644	5.30E-04	2.9E-08	6.8E-08	8.3E-08	3.0E-10	4.3E-08	5.2E-08	3.2E-12	2.6E-08	3.2E-08	5.9E-08
65	BKGND	259488.16	4021953.3	259488.16, 4	0.000206538	0.000447221	5.71E-04	3.3E-08	7.0E-08	9.0E-08	3.4E-10	4.4E-08	5.7E-08	3.6E-12	2.7E-08	3.5E-08	6.2E-08
66	BKGND	259546.8	4021953.3	259546.8, 40	0.000233467	0.000465889	6.13E-04	3.7E-08	7.3E-08	9.7E-08	3.9E-10	4.6E-08	6.1E-08	4.0E-12	2.9E-08	3.8E-08	6.6E-08
67	BKGND	259605.44	4021953.3	259605.44, 4	0.000268248	0.000486155	6.57E-04	4.2E-08	7.7E-08	1.0E-07	4.4E-10	4.8E-08	6.5E-08	4.6E-12	3.0E-08	4.0E-08	7.0E-08
68	BKGND	259664.08	4021953.3	259664.08, 4	0.000313174	0.000509445	7.11E-04	4.9E-08	8.0E-08	1.1E-07	5.2E-10	5.0E-08	7.0E-08	5.4E-12	3.1E-08	4.4E-08	7.5E-08
69	BKGND	259722.72	4021953.3	259722.72, 4	0.000369083	0.000537576	7.85E-04	5.8E-08	8.5E-08	1.2E-07	6.1E-10	5.3E-08	7.8E-08	6.4E-12	3.3E-08	4.8E-08	8.1E-08
70	BKGND	259781.36	4021953.3	259781.36, 4	0.000434391	0.000573722	8.75E-04	6.8E-08	9.0E-08	1.4E-07	7.2E-10	5.7E-08	8.7E-08	7.5E-12	3.5E-08	5.4E-08	8.9E-08
71	BKGND	259840	4021953.3	259840, 402	0.000510592	0.000624517	9.67E-04	8.0E-08	9.8E-08	1.5E-07	8.4E-10	6.2E-08	9.6E-08	8.8E-12	3.8E-08	5.9E-08	9.7E-08
72	BKGND	259898.64	4021953.3	259898.64, 4	0.000623974	0.000709182	1.08E-03	9.8E-08	1.1E-07	1.7E-07	1.0E-09	7.0E-08	1.1E-07	1.1E-11	4.3E-08	6.6E-08	1.1E-07
73	BKGND	259957.28	4021953.3	259957.28, 4	0.000813427	0.000885115	1.32E-03	1.3E-07	1.4E-07	2.1E-07	1.3E-09	8.8E-08	1.3E-07	1.4E-11	5.4E-08	8.1E-08	1.3E-07
74	BKGND	260015.92	4021953.3	260015.92, 4	0.0010798	0.001206447	1.74E-03	1.7E-07	1.9E-07	2.7E-07	1.8E-09	1.2E-07	1.7E-07	1.9E-11	7.4E-08	1.1E-07	1.8E-07
75	BKGND	260074.56	4021953.3	260074.56, 4	0.001329945	0.001358719	2.25E-03	2.1E-07	2.1E-07	3.5E-07	2.2E-09	1.3E-07	2.2E-07	2.3E-11	8.3E-08	1.4E-07	2.2E-07
76	BKGND	260133.2	4021953.3	260133.2, 40	0.001444087	0.001145998	3.05E-03	2.3E-07	1.8E-07	4.8E-07	2.4E-09	1.1E-07	3.0E-07	2.5E-11	7.0E-08	1.9E-07	2.6E-07
77	BKGND	260191.84	4021953.3	260191.84, 4	0.001372739	0.001055189	4.08E-03	2.2E-07	1.7E-07	6.4E-07	2.3E-09	1.0E-07	4.0E-07	2.4E-11	6.5E-08	2.5E-07	3.1E-07
78	BKGND	260250.48	4021953.3	260250.48, 4	0.001172153	0.000965803	4.50E-03	1.8E-07	1.5E-07	7.1E-07	1.9E-09	9.6E-08	4.5E-07	2.0E-11	5.9E-08	2.8E-07	3.3E-07
79	BKGND	260309.12	4021953.3	260309.12, 4	0.000937619	0.000878932	4.06E-03	1.5E-07	1.4E-07	6.4E-07	1.5E-09	8.7E-08	4.0E-07	1.6E-11	5.4E-08	2.5E-07	3.0E-07
80	BKGND	260367.76	4021953.3	260367.76, 4	0.00072636	0.000805278	3.22E-03	1.1E-07	1.3E-07	5.1E-07	1.2E-09	8.0E-08	3.2E-07	1.3E-11	4.9E-08	2.0E-07	2.5E-07
81	BKGND	260426.4	4021953.3	260426.4, 40	0.000557266	0.000748578	2.42E-03	8.8E-08	1.2E-07	3.8E-07	9.2E-10	7.4E-08	2.4E-07	9.6E-12	4.6E-08	1.5E-07	1.9E-07
82	BKGND	260485.04	4021953.3	260485.04, 4	0.000429269	0.000707408	1.81E-03	6.8E-08	1.1E-07	2.8E-07	7.1E-10	7.0E-08	1.8E-07	7.4E-12	4.3E-08	1.1E-07	1.5E-07
83	BKGND	260543.68	4021953.3	260543.68, 4	0.000335771	0.000676002	1.37E-03	5.3E-08	1.1E-07	2.2E-07	5.5E-10	6.7E-08	1.4E-07	5.8E-12	4.1E-08	8.4E-08	1.3E-07
84	BKGND	260602.32	4021953.3	260602.32, 4	0.000267036	0.000656023	1.07E-03	4.2E-08	1.0E-07	1.7E-07	4.4E-10	6.5E-08	1.1E-07	4.6E-12	4.0E-08	6.6E-08	1.1E-07
85	BKGND	259429.52	4021996.82	259429.52, 4	0.000207958	0.000634061	5.91E-04	3.3E-08	1.0E-07	9.3E-08	3.4E-10	6.3E-08	5.8E-08	3.6E-12	3.9E-08	3.6E-08	7.5E-08
86	BKGND	259488.16	4021996.82	259488.16, 4	0.00023652	0.000660333	6.49E-04	3.7E-08	1.0E-07	1.0E-07	3.9E-10	6.5E-08	6.4E-08	4.1E-12	4.0E-08	4.0E-08	8.0E-08
87	BKGND	259546.8	4021996.82	259546.8, 40	0.000271276	0.000689516	7.08E-04	4.3E-08	1.1E-07	1.1E-07	4.5E-10	6.8E-08	7.0E-08	4.7E-12	4.2E-08	4.3E-08	8.6E-08
88	BKGND	259605.44	4021996.82	259605.44, 4	0.000315582	0.000722547	7.68E-04	5.0E-08	1.1E-07	1.2E-07	5.2E-10	7.2E-08	7.6E-08	5.5E-12	4.4E-08	4.7E-08	9.1E-08
89	BKGND	259664.08	4021996.82	259664.08, 4	0.000373973	0.000757798	8.35E-04	5.9E-08	1.2E-07	1.3E-07	6.2E-10	7.5E-08	8.3E-08	6.5E-12	4.6E-08	5.1E-08	9.7E-08
90	BKGND	259722.72	4021996.82	259722.72, 4	0.000450336	0.000799201	9.20E-04	7.1E-08	1.3E-07	1.4E-07	7.4E-10	7.9E-08	9.1E-08	7.8E-12	4.9E-08	5.6E-08	1.1E-07
91	BKGND	259781.36	4021996.82	259781.36, 4	0.000545243	0.000850377	1.04E-03	8.6E-08	1.3E-07	1.6E-07	9.0E-10	8.4E-08	1.0E-07	9.4E-12	5.2E-08	6.4E-08	1.2E-07
92	BKGND	259840	4021996.82	259840, 402	0.000661086	0.000917093	1.17E-03	1.0E-07	1.4E-07	1.8E-07	1.1E-09	9.1E-08	1.2E-07	1.1E-11	5.6E-08	7.1E-08	1.3E-07
93	BKGND	259898.64	4021996.82	259898.64, 4	0.000839211	0.001023551	1.32E-03	1.3E-07	1.6E-07	2.1E-07	1.4E-09	1.0E-07	1.3E-07	1.5E-11	6.3E-08	8.1E-08	1.4E-07
94	BKGND	259957.28	4021996.82	259957.28, 4	0.001140462	0.001226377	1.63E-03	1.8E-07	1.9E-07	2.6E-07	1.9E-09	1.2E-07	1.6E-07	2.0E-11	7.5E-08	1.0E-07	1.7E-07
95	BKGND	260015.92	4021996.82	260015.92, 4	0.001536833	0.001785583	2.24E-03	2.4E-07	2.8E-07	3.5E-07	2.5E-09	1.8E-07	2.2E-07	2.7E-11	1.1E-07	1.4E-07	2.5E-07
96	BKGND	260074.56	4021996.82	260074.56, 4	0.001838173	0.001802447	3.01E-03	2.9E-07	2.8E-07	4.7E-07	3.0E-09	1.8E-07	3.0E-07	3.2E-11	1.1E-07	1.8E-07	2.9E-07
97	BKGND	260133.2	4021996.82	260133.2, 40	0.001867797	0.001590694	4.31E-03	2.9E-07	2.5E-07	6.8E-07	3.1E-09	1.6E-07	4.3E-07	3.2E-11	9.7E-08	2.6E-07	3.6E-07
98	BKGND	260191.84	4021996.82	260191.84, 4	0.001637384	0.001471802	5.48E-03	2.6E-07	2.3E-07	8.6E-07	2.7E-09	1.5E-07	5.4E-07	2.8E-11	9.0E-08	3.4E-07	4.3E-07
99	BKGND	260250.48	4021996.82	260250.48, 4	0.001297701	0.001369792	5.34E-03	2.0E-07	2.2E-07	8.4E-07	2.1E-09	1.4E-07	5.3E-07	2.2E-11	8.4E-08	3.3E-07	4.1E-07
100	BKGND	260309.12	4021996.82	260309.12, 4	0.000978314	0.001284718	4.27E-03	1.5E-07	2.0E-07	6.7E-07	1.6E-09	1.3E-07	4.2E-07	1.7E-11	7.9E-08	2.6E-07	3.4E-07
101	BKGND	260367.76	4021996.82	260367.76, 4	0.000725503	0.00122812	3.12E-03	1.1E-07	1.9E-07	4.9E-07	1.2E-09	1.2E-07	3.1E-07	1.3E-11	7.5E-08	1.9E-07	2.7E-07
102	BKGND	260426.4	4021996.82	260426.4, 40	0.000540772	0.001196653	2.24E-03	8.5E-08	1.9E-07	3.5E-07	8.9E-10	1.2E-07	2.2E-07	9.3E-12	7.3E-08	1.4E-07	2.1E-07
103	BKGND	260485.04	4021996.82	260485.04, 4	0.000409426	0.00118474	1.65E-03	6.4E-08	1.9E-07	2.6E-07	6.8E-10	1.2E-07	1.6E-07	7.1E-12	7.3E-08	1.0E-07	1.7E-07
104	BKGND	260543.68	4021996.82	260543.68, 4	0.000318116	0.001187979	1.25E-03	5.0E-08	1.9E-07	2.0E-07	5.3E-10	1.2E-07	1.2E-07	5.5E-12	7.3E-08	7.7E-08	1.5E-07
105	BKGND	260602.32	4021996.82	260602.32, 4	0.000252926	0.001202412	9.81E-04	4.0E-08	1.9E-07	1.5E-07	4.2E-10	1.2E-07	9.7E-08	4.4E-12	7.4E-08	6.0E-08	1.3E-07
106	BKGND	259429.52	4022040.34	259429.52, 4	0.000232925	0.001337705	6.48E-04	3.7E-08	2.1E-07	1.0E-07	3.8E-10	1.3E-07	6.4E-08	4.0E-12	8.2E-08	4.0E-08	1.2E-07
107	BKGND	259488.16	4022040.34	259488.16, 4	0.000270455	0.001100692	7.31E-04	4.3E-08	1.7E-07	1.2E-07	4.5E-10	1.1E-07	7.2E-08	4.7E-12	6.7E-08	4.5E-08	1.1E-07
108	BKGND	259546.8	4022040.34	259546.8, 40	0.000317015	0.000926142	8.17E-04	5.0E-08	1.5E-07	1.3E-07	5.2E-10	9.2E-08	8.1E-08	5.5E-12	5.7E-08	5.0E-08	1.1E-07

109	BKGND	259605.44	4022040.34	259605.44, 4	0.000376343	0.000919241	9.06E-04	5.9E-08	1.4E-07	1.4E-07	6.2E-10	9.1E-08	9.0E-08	6.5E-12	5.6E-08	5.5E-08	1.1E-07
110	BKGND	259664.08	4022040.34	259664.08, 4	0.000455151	0.000932362	9.98E-04	7.2E-08	1.5E-07	1.6E-07	7.5E-10	9.2E-08	9.9E-08	7.9E-12	5.7E-08	6.1E-08	1.2E-07
111	BKGND	259722.72	4022040.34	259722.72, 4	0.00056219	0.001091106	1.10E-03	8.9E-08	1.7E-07	1.7E-07	9.3E-10	1.1E-07	1.1E-07	9.7E-12	6.7E-08	6.8E-08	1.3E-07
112	BKGND	259781.36	4022040.34	259781.36, 4	0.000704225	0.001062008	1.25E-03	1.1E-07	1.7E-07	2.0E-07	1.2E-09	1.1E-07	1.2E-07	1.2E-11	6.5E-08	7.7E-08	1.4E-07
113	BKGND	259840	4022040.34	259840, 402	0.000889154	0.001065224	1.44E-03	1.4E-07	1.7E-07	2.3E-07	1.5E-09	1.1E-07	1.4E-07	1.5E-11	6.5E-08	8.8E-08	1.5E-07
114	BKGND	259898.64	4022040.34	259898.64, 4	0.001189476	0.001135857	1.66E-03	1.9E-07	1.8E-07	2.6E-07	2.0E-09	1.1E-07	1.6E-07	2.1E-11	7.0E-08	1.0E-07	1.7E-07
115	BKGND	259957.28	4022040.34	259957.28, 4	0.001698797	0.001337509	2.08E-03	2.7E-07	2.1E-07	3.3E-07	2.8E-09	1.3E-07	2.1E-07	2.9E-11	8.2E-08	1.3E-07	2.1E-07
116	BKGND	260015.92	4022040.34	260015.92, 4	0.002283763	0.001525611	2.99E-03	3.6E-07	2.4E-07	4.7E-07	3.8E-09	1.5E-07	3.0E-07	3.9E-11	9.3E-08	1.8E-07	2.8E-07
117	BKGND	260074.56	4022040.34	260074.56, 4	0.002576257	0.001944527	4.28E-03	4.1E-07	3.1E-07	6.7E-07	4.3E-09	1.9E-07	4.2E-07	4.5E-11	1.2E-07	2.6E-07	3.8E-07
118	BKGND	260133.2	4022040.34	260133.2, 40	0.002383323	0.001610578	6.32E-03	3.8E-07	2.5E-07	1.0E-06	3.9E-09	1.6E-07	6.3E-07	4.1E-11	9.9E-08	3.9E-07	4.9E-07
119	BKGND	260191.84	4022040.34	260191.84, 4	0.001889424	0.001380568	7.12E-03	3.0E-07	2.2E-07	1.1E-06	3.1E-09	1.4E-07	7.1E-07	3.3E-11	8.4E-08	4.4E-07	5.2E-07
120	BKGND	260250.48	4022040.34	260250.48, 4	0.001383225	0.001194445	5.91E-03	2.2E-07	1.9E-07	9.3E-07	2.3E-09	1.2E-07	5.9E-07	2.4E-11	7.3E-08	3.6E-07	4.3E-07
121	BKGND	260309.12	4022040.34	260309.12, 4	0.000984221	0.001208266	4.20E-03	1.6E-07	1.9E-07	6.6E-07	1.6E-09	1.2E-07	4.2E-07	1.7E-11	7.4E-08	2.6E-07	3.3E-07
122	BKGND	260367.76	4022040.34	260367.76, 4	0.000703633	0.001077551	2.88E-03	1.1E-07	1.7E-07	4.5E-07	1.2E-09	1.1E-07	2.8E-07	1.2E-11	6.6E-08	1.8E-07	2.4E-07
123	BKGND	260426.4	4022040.34	260426.4, 40	0.000513915	0.001143333	2.02E-03	8.1E-08	1.8E-07	3.2E-07	8.5E-10	1.1E-07	2.0E-07	8.9E-12	7.0E-08	1.2E-07	1.9E-07
124	BKGND	260485.04	4022040.34	260485.04, 4	0.000386325	0.001043262	1.49E-03	6.1E-08	1.6E-07	2.3E-07	6.4E-10	1.0E-07	1.5E-07	6.7E-12	6.4E-08	9.1E-08	1.5E-07
125	BKGND	260543.68	4022040.34	260543.68, 4	0.000299408	0.000958272	1.14E-03	4.7E-08	1.5E-07	1.8E-07	4.9E-10	9.5E-08	1.1E-07	5.2E-12	5.9E-08	6.9E-08	1.3E-07
126	BKGND	260602.32	4022040.34	260602.32, 4	0.000238827	0.000882436	8.99E-04	3.8E-08	1.4E-07	1.4E-07	3.9E-10	8.7E-08	8.9E-08	4.1E-12	5.4E-08	5.5E-08	1.1E-07
127	BKGND	259429.52	4022083.86	259429.52, 4	0.000259502	0.000735736	6.94E-04	4.1E-08	1.2E-07	1.1E-07	4.3E-10	7.3E-08	6.9E-08	4.5E-12	4.5E-08	4.2E-08	8.8E-08
128	BKGND	259488.16	4022083.86	259488.16, 4	0.000307709	0.000724633	8.05E-04	4.8E-08	1.1E-07	1.3E-07	5.1E-10	7.2E-08	8.0E-08	5.3E-12	4.4E-08	4.9E-08	9.4E-08
129	BKGND	259546.8	4022083.86	259546.8, 40	0.000370127	0.000718297	9.31E-04	5.8E-08	1.1E-07	1.5E-07	6.1E-10	7.1E-08	9.2E-08	6.4E-12	4.4E-08	5.7E-08	1.0E-07
130	BKGND	259605.44	4022083.86	259605.44, 4	0.000452354	0.000717498	1.07E-03	7.1E-08	1.1E-07	1.7E-07	7.5E-10	7.1E-08	1.1E-07	7.8E-12	4.4E-08	6.5E-08	1.1E-07
131	BKGND	259664.08	4022083.86	259664.08, 4	0.000564017	0.000715617	1.21E-03	8.9E-08	1.1E-07	1.9E-07	9.3E-10	7.1E-08	1.2E-07	9.8E-12	4.4E-08	7.4E-08	1.2E-07
132	BKGND	259722.72	4022083.86	259722.72, 4	0.000720527	0.000736771	1.36E-03	1.1E-07	1.2E-07	2.1E-07	1.2E-09	7.3E-08	1.3E-07	1.2E-11	4.5E-08	8.3E-08	1.3E-07
133	BKGND	259781.36	4022083.86	259781.36, 4	0.000943655	0.000764109	1.55E-03	1.5E-07	1.2E-07	2.4E-07	1.6E-09	7.6E-08	1.5E-07	1.6E-11	4.7E-08	9.5E-08	1.4E-07
134	BKGND	259840	4022083.86	259840, 402	0.001259712	0.000813902	1.82E-03	2.0E-07	1.3E-07	2.9E-07	2.1E-09	8.1E-08	1.8E-07	2.2E-11	5.0E-08	1.1E-07	1.6E-07
135	BKGND	259898.64	4022083.86	259898.64, 4	0.001818685	0.000916069	2.16E-03	2.9E-07	1.4E-07	3.4E-07	3.0E-09	9.1E-08	2.1E-07	3.1E-11	5.6E-08	1.3E-07	1.9E-07
136	BKGND	259957.28	4022083.86	259957.28, 4	0.002736113	0.001154721	2.76E-03	4.3E-07	1.8E-07	4.3E-07	4.5E-09	1.1E-07	2.7E-07	4.7E-11	7.1E-08	1.7E-07	2.4E-07
137	BKGND	260015.92	4022083.86	260015.92, 4	0.00354895	0.001575136	4.23E-03	5.6E-07	2.5E-07	6.7E-07	5.9E-09	1.6E-07	4.2E-07	6.1E-11	9.6E-08	2.6E-07	3.6E-07
138	BKGND	260074.56	4022083.86	260074.56, 4	0.003628392	0.001825445	6.63E-03	5.7E-07	2.9E-07	1.0E-06	6.0E-09	1.8E-07	6.6E-07	6.3E-11	1.1E-07	4.1E-07	5.2E-07
139	BKGND	260133.2	4022083.86	260133.2, 40	0.00294255	0.001412646	9.38E-03	4.6E-07	2.2E-07	1.5E-06	4.9E-09	1.4E-07	9.3E-07	5.1E-11	8.6E-08	5.7E-07	6.6E-07
140	BKGND	260191.84	4022083.86	260191.84, 4	0.002076509	0.001116555	8.60E-03	3.3E-07	1.8E-07	1.4E-06	3.4E-09	1.1E-07	8.5E-07	3.6E-11	6.8E-08	5.3E-07	5.9E-07
141	BKGND	260250.48	4022083.86	260250.48, 4	0.00140728	0.000905571	5.97E-03	2.2E-07	1.4E-07	9.4E-07	2.3E-09	9.0E-08	5.9E-07	2.4E-11	5.5E-08	3.7E-07	4.2E-07
142	BKGND	260309.12	4022083.86	260309.12, 4	0.000953523	0.000762089	3.84E-03	1.5E-07	1.2E-07	6.1E-07	1.6E-09	7.5E-08	3.8E-07	1.6E-11	4.7E-08	2.4E-07	2.8E-07
143	BKGND	260367.76	4022083.86	260367.76, 4	0.000664381	0.000662247	2.55E-03	1.0E-07	1.0E-07	4.0E-07	1.1E-09	6.6E-08	2.5E-07	1.1E-11	4.1E-08	1.6E-07	2.0E-07
144	BKGND	260426.4	4022083.86	260426.4, 40	0.000480317	0.000589222	1.80E-03	7.6E-08	9.3E-08	2.8E-07	7.9E-10	5.8E-08	1.8E-07	8.3E-12	3.6E-08	1.1E-07	1.5E-07
145	BKGND	260485.04	4022083.86	260485.04, 4	0.000360651	0.000536531	1.33E-03	5.7E-08	8.5E-08	2.1E-07	6.0E-10	5.3E-08	1.3E-07	6.2E-12	3.3E-08	8.2E-08	1.1E-07
146	BKGND	260543.68	4022083.86	260543.68, 4	0.000280344	0.000493857	1.03E-03	4.4E-08	7.8E-08	1.6E-07	4.6E-10	4.9E-08	1.0E-07	4.8E-12	3.0E-08	6.3E-08	9.4E-08
147	BKGND	260602.32	4022083.86	260602.32, 4	0.000224677	0.000457484	8.34E-04	3.5E-08	7.2E-08	1.3E-07	3.7E-10	4.5E-08	8.3E-08	3.9E-12	2.8E-08	5.1E-08	7.9E-08
148	BKGND	259429.52	4022127.38	259429.52, 4	0.000287056	0.000410435	7.22E-04	4.5E-08	6.5E-08	1.1E-07	4.7E-10	4.1E-08	7.2E-08	5.0E-12	2.5E-08	4.4E-08	6.9E-08
149	BKGND	259488.16	4022127.38	259488.16, 4	0.000347512	0.000423098	8.58E-04	5.5E-08	6.7E-08	1.4E-07	5.7E-10	4.2E-08	8.5E-08	6.0E-12	2.6E-08	5.3E-08	7.8E-08
150	BKGND	259546.8	4022127.38	259546.8, 40	0.000429485	0.000440128	1.03E-03	6.8E-08	6.9E-08	1.6E-07	7.1E-10	4.4E-08	1.0E-07	7.4E-12	2.7E-08	6.3E-08	9.0E-08
151	BKGND	259605.44	4022127.38	259605.44, 4	0.000543326	0.00046287	1.23E-03	8.6E-08	7.3E-08	1.9E-07	9.0E-10	4.6E-08	1.2E-07	9.4E-12	2.8E-08	7.5E-08	1.0E-07
152	BKGND	259664.08	4022127.38	259664.08, 4	0.000706347	0.000492948	1.47E-03	1.1E-07	7.8E-08	2.3E-07	1.2E-09	4.9E-08	1.5E-07	1.2E-11	3.0E-08	9.0E-08	1.2E-07
153	BKGND	259722.72	4022127.38	259722.72, 4	0.000948955	0.000532987	1.72E-03	1.5E-07	8.4E-08	2.7E-07	1.6E-09	5.3E-08	1.7E-07	1.6E-11	3.3E-08	1.1E-07	1.4E-07
154	BKGND	259781.36	4022127.38	259781.36, 4	0.001325628	0.000587852	2.00E-03	2.1E-07	9.3E-08	3.2E-07	2.2E-09	5.8E-08	2.0E-07	2.3E-11	3.6E-08	1.2E-07	1.6E-07
155	BKGND	259840	4022127.38	259840, 402	0.001926109	0.000669251	2.39E-03	3.0E-07	1.1E-07	3.8E-07	3.2E-09	6.6E-08	2.4E-07	3.3E-11	4.1E-08	1.5E-07	1.9E-07
156	BKGND	259898.64	4022127.38	259898.64, 4	0.003131837	0.000826138	2.93E-03	4.9E-07	1.3E-07	4.6E-07	5.2E-09	8.2E-08	2.9E-07	5.4E-11	5.1E-08	1.8E-07	2.3E-07
157	BKGND	259957.28	4022127.38	259957.28, 4	0.004861628	0.001172821	3.88E-03	7.7E-07	1.8E-07	6.1E-07	8.0E-09	1.2E-07	3.8E-07	8.4E-11	7.2E-08	2.4E-07	3.1E-07
158	BKGND	260015.92	4022127.38	260015.92, 4	0.005776203	0.00168916	6.53E-03	9.1E-07	2.7E-07	1.0E-06	9.5E-09	1.7E-07	6.5E-07	1.0E-10	1.0E-07	4.0E-07	5.0E-07
159	BKGND	260074.56	4022127.38	260074.56, 4	0.005064765	0.001853059	1.14E-02	8.0E-07	2.9E-07	1.8E-06	8.4E-09	1.8E-07	1.1E-06	8.8E-11	1.1E-07	7.0E-07	8.1E-07
160	BKGND	260133.2	4022127.38	260133.2, 40	0.003446459	0.001278366	1.32E-02	5.4E-07	2.0E-07	2.1E-06	5.7E-09	1.3E-07	1.3E-06	6.0E-11	7.8E-08	8.1E-07	8.9E-07
161	BKGND	260191.84	4022127.38	260191.84, 4	0.002151762	0.000931574	9.18E-03	3.4E-07	1.5E-07	1.4E-06	3.6E-09	9.2E-08	9.1E-07	3.7E-11	5.7E-08	5.6E-07	6.2E-07
162	BKGND	260250.48	4022127.38	260250.48, 4	0.00136274	0.000722669	5.44E-03	2.1E-07	1.1E-07	8.6E-07	2.2E-09	7.2E-08	5.4E-07	2.4E-11	4.4E-08	3.3E-07	3.8E-07
163	BKGND	260309.12	4022127.38	260309.12, 4	0.000892218	0.000592365	3.34E-03	1.4E-07	9.3E-08	5.3E-07	1.5E-09	5.9E-08	3.3E-07	1.5E-11	3.6E-08	2.0E-07	2.4E-07
164	BKGND	260367.76	4022127.38	260367.76, 4	0.000614003	0.00050555	2.23E-03	9.7E-08	8.0E-08	3.5E-07	1.0E-09	5.0E-08	2.2E-07	1.1E-11	3.1E-08	1.4E-07	1.7E-07
165	BKGND	260426.4	4022127.38	260426.4, 40	0.000443256	0.000445297	1.59E-03	7.0E-08	7.0E-08	2.5E-07	7.3E-10	4.4E-08	1.6E-07	7.7E-12	2.7E-08	9.8E-08	1.2E-07
166	BKGND	260485.04	4022127.38	260485.04, 4	0.000334329	0.000400193	1.21E-03	5.3E-08	6.3E-08	1.9E-07	5.5E-10	4.0E-08	1.2E-07	5.8E-12	2.4E-08	7.4E-08	9.9E-08
167	BKGND	260543.68	4022127.38	260543.68, 4	0.000260988	0.000364658	9.64E-04	4.1E-08	5.7E-08	1.5E-07	4.3E-10	3.6E-08	9.6E-08	4.5E-12	2.2E-08	5.9E-08	8.1E-08
168	BKGND	260602.32	4022127.38	260602.32, 4	0.000210502	0.000334676	7.95E-04	3.3E-08	5.3E-08	1.3E-07	3.5E-10	3.3E-08	7.9E-08	3.6E-12	2.0E-08	4.9E-08	6.9E-08
169	BKGND	259429.52	4022170.9	259429.52, 4	0.000313396	0.000312023	7.37E-04	4.9E-08	4.9E-08	1.2E-07	5.2E-10	3.1E-08	7.3E-08	5.4E-12	1.9E-08	4.5E-08	6.4E-08
170	BKGND	259488.16	4022170.9	259488.16, 4	0.000387013	0.00033082	8.87E-04	6.1E-08	5.2E-08	1.4E-07	6.4E-10	3.3E-08	8.8E-08	6.7E-12	2.0E-08	5.4E-08	7.5E-08
171	BKGND	259546.8	4022170.9	259546.8, 40	0.00049166	0.000355527	1.09E-03	7.7E-08	5.6E-08	1.7E-07	8.1E-10	3.5E-08	1.1E-07	8.5E-12	2.2E-08	6.7E-08	8.8E-08
172	BKGND	259605.44	4022170.9	259605.44, 4	0.000645639	0.000388852	1.36E-03	1.0E-07	6.1E-08	2.1E-07	1.1E-09	3.9E-08	1.3E-07	1.1E-11	2.4E-08	8.3E-08	1.1E-07
173	BKGND	259664.08	4022170.9	259664.08, 4	0.000883159	0.000434326	1.72E-03	1.4E-07	6.8E-08	2.7E-07	1.5E-09	4.3E-08	1.7E-07	1.5E-11	2.7E-08	1.1E-07	1.3E-07
174	BKGND	259722.72	4022170.9	259722.72, 4	0.001273972	0.000497006	2.16E-03	2.0E-07	7.8E-08	3.4E-07	2.1E-09	4.9E-08	2.1E-07	2.2E-11	3.0E-08	1.3E-07	1.6E-07
175	BKGND	259781.36	4022170.9	259781.36, 4	0.001971721	0.000583774	2.68E-03	3.1E-07	9.2E-08	4.2E-07	3.3E-09	5.8E-08	2.7E-07	3.4E-11	3.6E-08	1.6E-07	2.0E-07
176	BKGND	259840	4022170.9	259840, 402	0.003333958	0.000710088	3.31E-03	5.3E-07	1.1E-07	5.2E-07	5.5E-09	7.0E-08	3.3E-07	5.8E-11	4.3E-08	2.0E-07	2.5E-07
177	BKGND	259898.64	4022170.9	259898.64, 4	0.006621103	0.000980995	4.26E-03	1.0E-06	1.5E-07	6.7E-07	1.1E-08	9.7E-08	4.2E-07	1.1E-10	6.0E-08	2.6E-07	3.2E-07
178	BKGND	259957.28	4022170.9	259957.28, 4	0.009770234	0.001522413	5.94E-03	1.5E-06	2.4E-07	9.4E-07	1.6E-08	1.5E-07	5.9E-07	1.7E-10	9.3E-08	3.6E-07	4.6E-07
179	BKGND	260015.92	4022170.9	260015.92, 4	0.009969033	0.002049786	1.17E-02	1.6E-06	3.2E-07	1.8E-06	1.6E-08	2.0E-07	1.2E-06	1.7E-10	1.3E-07	7.1E-07	8.4E-07
180	BKGND	260074.56	4022170.9	260074.56, 4	0.006708656	0.001900822	2.08E-02	1.1E-06	3.0E-07	3.3E-06	1.1E-08	1.9E-07	2.1E-06	1.2E-10	1.2E-07	1.3E-06	1.4E-06
181	BKGND	260133.2	4022170.9	260133.2, 40	0.003709014	0.001164872	1.60E-02	5.8E-07	1.8E-07	2.5E-06	6.1E-09	1.2E-07	1.6E-06	6.4E-11	7.1E-08	9.8E-07	1.1E-06
182	BKGND	260191.84	4022170.9	260191.84, 4	0.002085009	0.000810892	8.39E-03	3.3E-07	1.3E-07	1.3E-06	3.4E-09	8.0E-08	8.3E-07	3.6E-11	5.0E-08	5.1E-07	5.6E-07
183	BKGND	260250.48	4022170.9	260250.48, 4	0.001259245	0.000619789	4.59E-03	2.0E-07	9.8E-08	7.2E-07	2.1E-09	6.1E-08	4.5E-07	2.2E-11	3.8E-08	2.8E-07	3.2E-07
184	BKGND	260309.12	4022170.9	260309.12, 4	0.000811512	0.000503575	2.85E-03	1.3E-07	7.9E-08	4.5E-07	1.3E-09	5.0E-08	2.8E-07	1.4E-11	3.1E-08	1.7E-07	2.0E-07
185	BKGND	260367.76	4022170.9	260367.76, 4	0.000557881	0.000427501	1.96E-03	8.8E-08	6.7E-08	3.1E-07	9.2E-10	4.2E-08	1.9E-07	9.6E-12	2.6E-08	1.2E-07	1.5E-07
186	BKGND	260426.4	4022170.9	260426.4, 40	0.000405432	0.000374035	1.45E-03	6.4E-08	5.9E-08	2.3E-07	6.7E-10	3.7E-08	1.4E-07	7.0E-12	2.3E-08	8.9E-08	1.1E-07
187	BKGND	260485.04	4022170.9	260485.04, 4	0.000307916	0.000333686	1.14E-03	4.9E-08	5.3E-08	1.8E-07	5.1E-10	3.3E-08	1.1E-07	5.3E-12	2.0E-08	7.0E-08	9.0E-08
188	BKGND	260543.68	4022170.9	260543.68, 4	0.000242619	0.00030118	9.23E-04	3.8E-08	4.7E-08	1.5E-07	4.0E-10	3.0E-08	9.1E-08	4.2E-12	1.8E-08	5.6E-08	7.5E-08
189	BKGND	260602.32	4022170.9	260602.32, 4	0.000196478	0.000273551	7.68E-04	3.1E-08	4.3E-08	1.2E-07	3.2E-10	2.7E-08	7.6E-08	3.4E-12	1.7E-08	4.7E-08	6.4E-08
190	BKGND	259429.52	4022214.42	259429.52, 4	0.000336459	0.000266165	7.57E-04	5.3E-08	4.2E-08	1.2E-07	5.6E-10	2.6E-08	7.5E-08	5.8E-12	1.6E-08	4.6E-08	6.3E-08
191	BKGND	259488.16	4022214.42	259488.16, 4	0.00042253	0.000288328	9.11E-04	6.7E-08	4.5E-08	1.4E-07	7.0E-10	2.9E-08	9.0E-08	7.3E-12	1.8E-08	5.6E-08	7.3E-08
192	BKGND	259546.8	4022214.42	259546.8, 40	0.000549826	0.00031802	1.12E-03	8.7E-08	5.0E-08	1.8E-07	9.1E-10	3.1E-08	1.1E-07	9.5E-12	1.9E-08	6.9E-08	8.8E-08
193	BKGND	259605.44	4022214.42	259605.44, 4	0.000748101	0.000359941	1.43E-03	1.2E-07	5.7E-08	2.3E-07	1.2E-09	3.6E-08	1.4E-07	1.3E-11	2.2E-08	8.7E-08	1.1E-07
194	BKGND	259664.08	4022214.42	259664.08, 4	0.001078995	0.000422116	1.88E-03	1.7E-07	6.6E-08	3.0E-07	1.8E-09	4.2E-08	1.9E-07	1.9E-11	2.6E-08	1.2E-07	1.4E-07
195	BKGND	259722.72	4022214.42	259722.72, 4	0.001695179	0.00051713	2.56E-03	2.7E-07	8.1E-08	4.0E-07	2.8E-09	5.1E-08	2.5E-07	2.9E-11	3.2E-08	1.6E-07	1.9E-07
196	BKGND	259781.36	4022214.42	259781.36, 4	0.003080746	0.000666008	3.56E-03	4.9E-07	1.0E-07	5.6E-07	5.1E-09	6.6E-08	3.5E-07	5.3E-11	4.1E-08	2.2E-07	2.6E-07
197	BKGND	259840	4022214.42	259840, 402	0.007382647	0.00092072	4.91E-03	1.2E-06	1.5E-07	7.7E-07	1.2E-08	9.1E-08	4.9E-07	1.3E-10	5.6E-08	3.0E-07	3.6E-07
198	BKGND	259898.64	4022214.42	259898.64, 4	0.019897615	0.001633362	6.83E-03	3.1E-06	2.6E-07	1.1E-06	3.3E-08	1.6E-07	6.8E-07	3.4E-10	1.0E-07	4.2E-07	5.2E-07
199	BKGND	259957.28	4022214.42	259957.28, 4	0.024261277	0.002421731	1.05E-02	3.8E-06	3.8E-07	1.7E-06	4.0E-08	2.4E-07	1.0E-06	4.2E-10	1.5E-07	6.5E-07	7.9E-07
200	BKGND	260015.92	4022214.42	260015.92, 4	0.018936566	0.002460025	2.75E-02	3.0E-06	3.9E-07	4.3E-06	3.1E-08	2.4E-07	2.7E-06	3.3E-10	1.5E-07	1.7E-06	1.8E-06
201	BKGND	260074.56	4022214.42	260074.56, 4	0.007809031	0.00178048	3.39E-02	1.2E-06	2.8E-07	5.3E-06	1.3E-08	1.8E-07	3.4E-06	1.4E-10	1.1E-07	2.1E-06	2.2E-06
202	BKGND	260133.2	4022214.42	260133.2, 40	0.003604914	0.001024585	1.50E-02	5.7E-07	1.6E-07	2.4E-06	5.9E-09	1.0E-07	1.5E-06	6.2E-11	6.3E-08	9.2E-07	9.8E-07
203	BKGND	260191.84	4022214.42	260191.84, 4	0.001891051	0.000715483	6.77E-03	3.0E-07	1.1E-07	1.1E-06	3.1E-09	7.1E-08	6.7E-07	3.3E-11	4.4E-08	4.1E-07	4.6E-07
204	BKGND	260250.48	4022214.42	260250.48, 4	0.00111853	0.000548286	3.81E-03	1.8E-07	8.6E-08	6.0E-07	1.8E-09	5.4E-08	3.8E-07	1.9E-11	3.4E-08	2.3E-07	2.7E-07
205	BKGND	260309.12	4022214.42	260309.12, 4	0.000722624	0.000445929	2.49E-03	1.1E-07	7.0E-08	3.9E-07	1.2E-09	4.4E-08	2.5E-07	1.2E-11	2.7E-08	1.5E-07	1.8E-07
206	BKGND	260367.76	4022214.42	260367.76, 4	0.000501993	0.000377912	1.79E-03	7.9E-08	6.0E-08	2.8E-07	8.3E-10	3.7E-08	1.8E-07	8.7E-12	2.3E-08	1.1E-07	1.3E-07
207	BKGND	260426.4	4022214.42	260426.4, 40	0.000369214	0.000329242	1.37E-03	5.8E-08	5.2E-08	2.2E-07	6.1E-10	3.3E-08	1.4E-07	6.4E-12	2.0E-08	8.4E-08	1.0E-07
208	BKGND	260485.04	4022214.42	260485.04, 4	0.000283238	0.000291945	1.09E-03	4.5E-08	4.6E-08	1.7E-07	4.7E-10	2.9E-08	1.1E-07	4.9E-12	1.8E-08	6.6E-08	8.4E-08
209	BKGND	260543.68	4022214.42	260543.68, 4	0.000225289	0.000261079	8.87E-04	3.5E-08	4.1E-08	1.4E-07	3.7E-10	2.6E-08	8.8E-08	3.9E-12	1.6E-08	5.4E-08	7.0E-08
210	BKGND	260602.32	4022214.42	260602.32, 4	0.000183531	0.000234837	7.40E-04	2.9E-08	3.7E-08	1.2E-07	3.0E-10	2.3E-08	7.3E-08	3.2E-12	1.4E-08	4.5E-08	6.0E-08
211	BKGND	259429.52	4022257.94	259429.52, 4	0.000355689	0.000241113	7.87E-04	5.6E-08	3.8E-08	1.2E-07	5.9E-10	2.4E-08	7.8E-08	6.1E-12	1.5E-08	4.8E-08	6.3E-08
212	BKGND	259488.16	4022257.94	259488.16, 4	0.00045262	0.000266052	9.48E-04	7.1E-08	4.2E-08	1.5E-07	7.5E-10	2.6E-08	9.4E-08	7.8E-12	1.6E-08	5.8E-08	7.4E-08
213	BKGND	259546.8	4022257.94	259546.8, 40	0.000599949	0.000299852	1.17E-03	9.5E-08	4.7E-08	1.8E-07	9.9E-10	3.0E-08	1.2E-07	1.0E-11	1.8E-08	7.2E-08	9.0E-08
214	BKGND	259605.44	4022257.94	259605.44, 4	0.000839108	0.000349324	1.49E-03	1.3E-07	5.5E-08	2.3E-07	1.4E-09	3.5E-08	1.5E-07	1.5E-11	2.1E-08	9.1E-08	1.1E-07
215	BKGND	259664.08	4022257.94	259664.08, 4	0.001264451	0.000427365	1.98E-03	2.0E-07	6.7E-08	3.1E-07	2.1E-09	4.2E-08	2.0E-07	2.2E-11	2.6E-08	1.2E-07	1.5E-07
216	BKGND	259722.72	4022257.94	259722.72, 4	0.002140814	0.000561188	2.79E-03	3.4E-07	8.8E-08	4.4E-07	3.5E-09	5.6E-08	2.8E-07	3.7E-11	3.4E-08	1.7E-07	2.1E-07
217	BKGND	259781.36	4022257.94	259781.36, 4	0.004587259	0.000817485	4.26E-03	7.2E-07	1.3E-07	6.7E-07	7.6E-09	8.1E-08	4.2E-07	7.9E-11	5.0E-08	2.6E-07	3.1E-07
218	BKGND	259840	4022257.94	259840, 402	0.021304946	0.00153759	7.10E-03	3.4E-06	2.4E-07	1.1E-06	3.5E-08	1.5E-07	7.0E-07	3.7E-10	9.4E-08	4.3E-07	5.3E-07
219	BKGND	259898.64	4022257.94	259898.64, 4	0.050383536	0.003264776	1.27E-02	7.9E-06	5.1E-07	2.0E-06	8.3E-08	3.2E-07	1.3E-06	8.7E-10	2.0E-07	7.8E-07	9.8E-07
220	BKGND	259957.28	4022257.94	259957.28, 4	0.051670435	0.004035845	2.54E-02	8.1E-06	6.4E-07	4.0E-06	8.5E-08	4.0E-07	2.5E-06	8.9E-10	2.5E-07	1.6E-06	1.8E-06
221	BKGND	260015.92	4022257.94	260015.92, 4	0.027905082	0.002320755	9.79E-02	4.4E-06	3.7E-07	1.5E-05	4.6E-08	2.3E-07	9.7E-06	4.8E-10	1.4E-07	6.0E-06	6.1E-06
222	BKGND	260074.56	4022257.94	260074.56, 4	0.007620579	0.0015318	3.52E-02	1.2E-06	2.4E-07	5.5E-06	1.3E-08	1.5E-07	3.5E-06	1.3E-10	9.4E-08	2.2E-06	2.2E-06
223	BKGND	260133.2	4022257.94	260133.2, 40	0.003182447	0.000904064	1.12E-02	5.0E-07	1.4E-07	1.8E-06	5.3E-09	9.0E-08	1.1E-06	5.5E-11	5.5E-08	6.9E-07	7.4E-07
224	BKGND	260191.84	4022257.94	260191.84, 4	0.001633011	0.000642605	5.44E-03	2.6E-07	1.0E-07	8.6E-07	2.7E-09	6.4E-08	5.4E-07	2.8E-11	3.9E-08	3.3E-07	3.7E-07
225	BKGND	260250.48	4022257.94	260250.48, 4	0.000969441	0.000494986	3.31E-03	1.5E-07	7.8E-08	5.2E-07	1.6E-09	4.9E-08	3.3E-07	1.7E-11	3.0E-08	2.0E-07	2.3E-07
226	BKGND	260309.12	4022257.94	260309.12, 4	0.000637029	0.000403218	2.27E-03	1.0E-07	6.4E-08	3.6E-07	1.1E-09	4.0E-08	2.2E-07	1.1E-11	2.5E-08	1.4E-07	1.6E-07
227	BKGND	260367.76	4022257.94	260367.76, 4	0.000450305	0.000341793	1.67E-03	7.1E-08	5.4E-08	2.6E-07	7.4E-10	3.4E-08	1.6E-07	7.8E-12	2.1E-08	1.0E-07	1.2E-07
228	BKGND	260426.4	4022257.94	260426.4, 40	0.000335832	0.000297167	1.28E-03	5.3E-08	4.7E-08	2.0E-07	5.5E-10	2.9E-08	1.3E-07	5.8E-12	1.8E-08	7.9E-08	9.7E-08
229	BKGND	260485.04	4022257.94	260485.04, 4	0.000261055	0.000261484	1.02E-03	4.1E-08	4.1E-08	1.6E-07	4.3E-10	2.6E-08	1.0E-07	4.5E-12	1.6E-08	6.3E-08	7.9E-08

230	BKGND	260543.68	4022257.94	260543.68, 4	0.000209339	0.000231855	8.39E-04	3.3E-08	3.7E-08	1.3E-07	3.5E-10	2.3E-08	8.3E-08	3.6E-12	1.4E-08	5.1E-08	6.6E-08
231	BKGND	260602.32	4022257.94	260602.32, 4	0.000172218	0.000206716	7.02E-04	2.7E-08	3.3E-08	1.1E-07	2.8E-10	2.0E-08	6.9E-08	3.0E-12	1.3E-08	4.3E-08	5.6E-08
232	BKGND	259429.52	4022301.46	259429.52, 4	0.000370974	0.000227179	8.16E-04	5.8E-08	3.6E-08	1.3E-07	6.1E-10	2.2E-08	8.1E-08	6.4E-12	1.4E-08	5.0E-08	6.4E-08
233	BKGND	259488.16	4022301.46	259488.16, 4	0.000476528	0.000254832	9.88E-04	7.5E-08	4.0E-08	1.6E-07	7.9E-10	2.5E-08	9.8E-08	8.2E-12	1.6E-08	6.0E-08	7.6E-08
234	BKGND	259546.8	4022301.46	259546.8, 40	0.000639806	0.000292793	1.23E-03	1.0E-07	4.6E-08	1.9E-07	1.1E-09	2.9E-08	1.2E-07	1.1E-11	1.8E-08	7.5E-08	9.3E-08
235	BKGND	259605.44	4022301.46	259605.44, 4	0.000911482	0.00034956	1.57E-03	1.4E-07	5.5E-08	2.5E-07	1.5E-09	3.5E-08	1.6E-07	1.6E-11	2.1E-08	9.6E-08	1.2E-07
236	BKGND	259664.08	4022301.46	259664.08, 4	0.001413009	0.000442368	2.10E-03	2.2E-07	7.0E-08	3.3E-07	2.3E-09	4.4E-08	2.1E-07	2.4E-11	2.7E-08	1.3E-07	1.6E-07
237	BKGND	259722.72	4022301.46	259722.72, 4	0.002501226	0.000608321	3.00E-03	3.9E-07	9.6E-08	4.7E-07	4.1E-09	6.0E-08	3.0E-07	4.3E-11	3.7E-08	1.8E-07	2.2E-07
238	BKGND	259781.36	4022301.46	259781.36, 4	0.005698219	0.000971811	4.69E-03	9.0E-07	1.5E-07	7.4E-07	9.4E-09	9.6E-08	4.6E-07	9.9E-11	5.9E-08	2.9E-07	3.5E-07
239	BKGND	259840	4022301.46	259840, 402	0.025976416	0.002381666	8.63E-03	4.1E-06	3.8E-07	1.4E-06	4.3E-08	2.4E-07	8.5E-07	4.5E-10	1.5E-07	5.3E-07	6.7E-07
240	BKGND	259898.64	4022301.46	259898.64, 4	0.052084316	0.007844376	2.17E-02	8.2E-06	1.2E-06	3.4E-06	8.6E-08	7.8E-07	2.1E-06	9.0E-10	4.8E-07	1.3E-06	1.8E-06
241	BKGND	259957.28	4022301.46	259957.28, 4	0.053129179	0.003764367	1.41E-01	8.4E-06	5.9E-07	2.2E-05	8.8E-08	3.7E-07	1.4E-05	9.2E-10	2.3E-07	8.7E-06	8.9E-06
242	BKGND	260015.92	4022301.46	260015.92, 4	0.025851956	0.001658093	1.78E-01	4.1E-06	2.6E-07	2.8E-05	4.3E-08	1.6E-07	1.8E-05	4.5E-10	1.0E-07	1.1E-05	1.1E-05
243	BKGND	260074.56	4022301.46	260074.56, 4	0.006414816	0.001360773	2.28E-02	1.0E-06	2.1E-07	3.6E-06	1.1E-08	1.3E-07	2.3E-06	1.1E-10	8.3E-08	1.4E-06	1.5E-06
244	BKGND	260133.2	4022301.46	260133.2, 40	0.002596083	0.000821191	8.51E-03	4.1E-07	1.3E-07	1.3E-06	4.3E-09	8.1E-08	8.4E-07	4.5E-11	5.0E-08	5.2E-07	5.7E-07
245	BKGND	260191.84	4022301.46	260191.84, 4	0.001360913	0.0005852	4.59E-03	2.1E-07	9.2E-08	7.2E-07	2.2E-09	5.8E-08	4.5E-07	2.4E-11	3.6E-08	2.8E-07	3.2E-07
246	BKGND	260250.48	4022301.46	260250.48, 4	0.000832879	0.000451709	2.92E-03	1.3E-07	7.1E-08	4.6E-07	1.4E-09	4.5E-08	2.9E-07	1.4E-11	2.8E-08	1.8E-07	2.1E-07
247	BKGND	260309.12	4022301.46	260309.12, 4	0.000561445	0.00036985	2.04E-03	8.8E-08	5.8E-08	3.2E-07	9.3E-10	3.7E-08	2.0E-07	9.7E-12	2.3E-08	1.2E-07	1.5E-07
248	BKGND	260367.76	4022301.46	260367.76, 4	0.000404	0.000314629	1.52E-03	6.4E-08	5.0E-08	2.4E-07	6.7E-10	3.1E-08	1.5E-07	7.0E-12	1.9E-08	9.3E-08	1.1E-07
249	BKGND	260426.4	4022301.46	260426.4, 40	0.00030687	0.000272582	1.18E-03	4.8E-08	4.3E-08	1.9E-07	5.1E-10	2.7E-08	1.2E-07	5.3E-12	1.7E-08	7.2E-08	8.9E-08
250	BKGND	260485.04	4022301.46	260485.04, 4	0.000241418	0.000237997	9.49E-04	3.8E-08	3.7E-08	1.5E-07	4.0E-10	2.4E-08	9.4E-08	4.2E-12	1.5E-08	5.8E-08	7.3E-08
251	BKGND	260543.68	4022301.46	260543.68, 4	0.000195517	0.000208748	7.81E-04	3.1E-08	3.3E-08	1.2E-07	3.2E-10	2.1E-08	7.7E-08	3.4E-12	1.3E-08	4.8E-08	6.1E-08
252	BKGND	260602.32	4022301.46	260602.32, 4	0.000162627	0.000184721	6.57E-04	2.6E-08	2.9E-08	1.0E-07	2.7E-10	1.8E-08	6.5E-08	2.8E-12	1.1E-08	4.0E-08	5.2E-08
253	BKGND	259429.52	4022344.98	259429.52, 4	0.000382467	0.000219493	8.35E-04	6.0E-08	3.5E-08	1.3E-07	6.3E-10	2.2E-08	8.3E-08	6.6E-12	1.3E-08	5.1E-08	6.5E-08
254	BKGND	259488.16	4022344.98	259488.16, 4	0.00049336	0.000250472	1.01E-03	7.8E-08	3.9E-08	1.6E-07	8.1E-10	2.5E-08	1.0E-07	8.5E-12	1.5E-08	6.2E-08	7.7E-08
255	BKGND	259546.8	4022344.98	259546.8, 40	0.000666044	0.000293321	1.26E-03	1.0E-07	4.6E-08	2.0E-07	1.1E-09	2.9E-08	1.3E-07	1.2E-11	1.8E-08	7.7E-08	9.5E-08
256	BKGND	259605.44	4022344.98	259605.44, 4	0.000955557	0.000359065	1.63E-03	1.5E-07	5.7E-08	2.6E-07	1.6E-09	3.6E-08	1.6E-07	1.7E-11	2.2E-08	9.9E-08	1.2E-07
257	BKGND	259664.08	4022344.98	259664.08, 4	0.001493507	0.000467959	2.19E-03	2.4E-07	7.4E-08	3.4E-07	2.5E-09	4.6E-08	2.2E-07	2.6E-11	2.9E-08	1.3E-07	1.6E-07
258	BKGND	259722.72	4022344.98	259722.72, 4	0.00265925	0.000650001	3.13E-03	4.2E-07	1.0E-07	4.9E-07	4.4E-09	6.4E-08	3.1E-07	4.6E-11	4.0E-08	1.9E-07	2.3E-07
259	BKGND	259781.36	4022344.98	259781.36, 4	0.005996161	0.00103125	4.93E-03	9.4E-07	1.6E-07	7.8E-07	9.9E-09	1.0E-07	4.9E-07	1.0E-10	6.3E-08	3.0E-07	3.7E-07
260	BKGND	259840	4022344.98	259840, 402	0.022370934	0.002610335	9.13E-03	3.5E-06	4.1E-07	1.4E-06	3.7E-08	2.6E-07	9.0E-07	3.9E-10	1.6E-07	5.6E-07	7.2E-07
261	BKGND	259898.64	4022344.98	259898.64, 4	0.048564112	0.008810538	2.36E-02	7.7E-06	1.4E-06	3.7E-06	8.0E-08	8.7E-07	2.3E-06	8.4E-10	5.4E-07	1.4E-06	2.0E-06
262	BKGND	259957.28	4022344.98	259957.28, 4	0.048938794	0.002312542	1.78E-01	7.7E-06	3.6E-07	2.8E-05	8.1E-08	2.3E-07	1.8E-05	8.5E-10	1.4E-07	1.1E-05	1.1E-05
263	BKGND	260015.92	4022344.98	260015.92, 4	0.020350735	0.001379203	6.82E-02	3.2E-06	2.2E-07	1.1E-05	3.4E-08	1.4E-07	6.8E-06	3.5E-10	8.4E-08	4.2E-06	4.3E-06
264	BKGND	260074.56	4022344.98	260074.56, 4	0.004659784	0.001273895	1.52E-02	7.3E-07	2.0E-07	2.4E-06	7.7E-09	1.3E-07	1.5E-06	8.1E-11	7.8E-08	9.3E-07	1.0E-06
265	BKGND	260133.2	4022344.98	260133.2, 40	0.002017646	0.000762614	6.85E-03	3.2E-07	1.2E-07	1.1E-06	3.3E-09	7.6E-08	6.8E-07	3.5E-11	4.7E-08	4.2E-07	4.7E-07
266	BKGND	260191.84	4022344.98	260191.84, 4	0.001119797	0.000539699	3.94E-03	1.8E-07	8.5E-08	6.2E-07	1.8E-09	5.3E-08	3.9E-07	1.9E-11	3.3E-08	2.4E-07	2.7E-07
267	BKGND	260250.48	4022344.98	260250.48, 4	0.000714263	0.00042062	2.58E-03	1.1E-07	6.6E-08	4.1E-07	1.2E-09	4.2E-08	2.6E-07	1.2E-11	2.6E-08	1.6E-07	1.8E-07
268	BKGND	260309.12	4022344.98	260309.12, 4	0.000496119	0.000347508	1.84E-03	7.8E-08	5.5E-08	2.9E-07	8.2E-10	3.4E-08	1.8E-07	8.6E-12	2.1E-08	1.1E-07	1.3E-07
269	BKGND	260367.76	4022344.98	260367.76, 4	0.000366458	0.000295837	1.39E-03	5.8E-08	4.7E-08	2.2E-07	6.0E-10	2.9E-08	1.4E-07	6.3E-12	1.8E-08	8.5E-08	1.0E-07
270	BKGND	260426.4	4022344.98	260426.4, 40	0.000282354	0.000254496	1.09E-03	4.4E-08	4.0E-08	1.7E-07	4.7E-10	2.5E-08	1.1E-07	4.9E-12	1.6E-08	6.7E-08	8.2E-08
271	BKGND	260485.04	4022344.98	260485.04, 4	0.000224656	0.000219198	8.84E-04	3.5E-08	3.5E-08	1.4E-07	3.7E-10	2.2E-08	8.8E-08	3.9E-12	1.3E-08	5.4E-08	6.8E-08
272	BKGND	260543.68	4022344.98	260543.68, 4	0.000184241	0.000190082	7.33E-04	2.9E-08	3.0E-08	1.2E-07	3.0E-10	1.9E-08	7.3E-08	3.2E-12	1.2E-08	4.5E-08	5.6E-08
273	BKGND	260602.32	4022344.98	260602.32, 4	0.000154113	0.00016719	6.19E-04	2.4E-08	2.6E-08	9.8E-08	2.5E-10	1.7E-08	6.1E-08	2.7E-12	1.0E-08	3.8E-08	4.8E-08
274	BKGND	259429.52	4022388.5	259429.52, 4	0.000390427	0.000215331	8.45E-04	6.2E-08	3.4E-08	1.3E-07	6.4E-10	2.1E-08	8.4E-08	6.8E-12	1.3E-08	5.2E-08	6.5E-08
275	BKGND	259488.16	4022388.5	259488.16, 4	0.000503446	0.000250575	1.02E-03	7.9E-08	3.9E-08	1.6E-07	8.3E-10	2.5E-08	1.0E-07	8.7E-12	1.5E-08	6.3E-08	7.8E-08
276	BKGND	259546.8	4022388.5	259546.8, 40	0.000678271	0.000299977	1.27E-03	1.1E-07	4.7E-08	2.0E-07	1.1E-09	3.0E-08	1.3E-07	1.2E-11	1.8E-08	7.8E-08	9.6E-08
277	BKGND	259605.44	4022388.5	259605.44, 4	0.000967061	0.000379912	1.62E-03	1.5E-07	6.0E-08	2.6E-07	1.6E-09	3.8E-08	1.6E-07	1.7E-11	2.3E-08	9.9E-08	1.2E-07
278	BKGND	259664.08	4022388.5	259664.08, 4	0.001487932	0.00050944	2.16E-03	2.3E-07	8.0E-08	3.4E-07	2.5E-09	5.0E-08	2.1E-07	2.6E-11	3.1E-08	1.3E-07	1.6E-07
279	BKGND	259722.72	4022388.5	259722.72, 4	0.002565236	0.000680944	3.03E-03	4.0E-07	1.1E-07	4.8E-07	4.2E-09	6.7E-08	3.0E-07	4.4E-11	4.2E-08	1.9E-07	2.3E-07
280	BKGND	259781.36	4022388.5	259781.36, 4	0.005492321	0.000976416	4.61E-03	8.7E-07	1.5E-07	7.3E-07	9.1E-09	9.7E-08	4.6E-07	9.5E-11	6.0E-08	2.8E-07	3.4E-07
281	BKGND	259840	4022388.5	259840, 402	0.021866962	0.001738731	7.90E-03	3.4E-06	2.7E-07	1.2E-06	3.6E-08	1.7E-07	7.8E-07	3.8E-10	1.1E-07	4.8E-07	5.9E-07
282	BKGND	259898.64	4022388.5	259898.64, 4	0.03624442	0.002750779	1.57E-02	5.7E-06	4.3E-07	2.5E-06	6.0E-08	2.7E-07	1.6E-06	6.3E-10	1.7E-07	9.6E-07	1.1E-06
283	BKGND	259957.28	4022388.5	259957.28, 4	0.035981031	0.001635178	3.67E-02	5.7E-06	2.6E-07	5.8E-06	5.9E-08	1.6E-07	3.6E-06	6.2E-10	1.0E-07	2.2E-06	2.3E-06
284	BKGND	260015.92	4022388.5	260015.92, 4	0.011315292	0.001282442	2.28E-02	1.8E-06	2.0E-07	3.6E-06	1.9E-08	1.3E-07	2.3E-06	2.0E-10	7.8E-08	1.4E-06	1.5E-06
285	BKGND	260074.56	4022388.5	260074.56, 4	0.003086705	0.00125156	9.79E-03	4.9E-07	2.0E-07	1.5E-06	5.1E-09	1.2E-07	9.7E-07	5.3E-11	7.7E-08	6.0E-07	6.8E-07
286	BKGND	260133.2	4022388.5	260133.2, 40	0.001560535	0.000721534	5.44E-03	2.5E-07	1.1E-07	8.6E-07	2.6E-09	7.1E-08	5.4E-07	2.7E-11	4.4E-08	3.3E-07	3.8E-07
287	BKGND	260191.84	4022388.5	260191.84, 4	0.000925069	0.000512146	3.46E-03	1.5E-07	8.1E-08	5.4E-07	1.5E-09	5.1E-08	3.4E-07	1.6E-11	3.1E-08	2.1E-07	2.4E-07
288	BKGND	260250.48	4022388.5	260250.48, 4	0.000614516	0.000405214	2.38E-03	9.7E-08	6.4E-08	3.8E-07	1.0E-09	4.0E-08	2.4E-07	1.1E-11	2.5E-08	1.5E-07	1.7E-07
289	BKGND	260309.12	4022388.5	260309.12, 4	0.000439823	0.000336721	1.74E-03	6.9E-08	5.3E-08	2.7E-07	7.3E-10	3.3E-08	1.7E-07	7.6E-12	2.1E-08	1.1E-07	1.3E-07
290	BKGND	260367.76	4022388.5	260367.76, 4	0.00033178	0.000285152	1.33E-03	5.2E-08	4.5E-08	2.1E-07	5.5E-10	2.8E-08	1.3E-07	5.7E-12	1.7E-08	8.1E-08	9.9E-08
291	BKGND	260426.4	4022388.5	260426.4, 40	0.000259725	0.000240844	1.05E-03	4.1E-08	3.8E-08	1.7E-07	4.3E-10	2.4E-08	1.0E-07	4.5E-12	1.5E-08	6.4E-08	7.9E-08
292	BKGND	260485.04	4022388.5	260485.04, 4	0.000210313	0.000203283	8.53E-04	3.3E-08	3.2E-08	1.3E-07	3.5E-10	2.0E-08	8.4E-08	3.6E-12	1.2E-08	5.2E-08	6.5E-08
293	BKGND	260543.68	4022388.5	260543.68, 4	0.000173902	0.000174495	7.09E-04	2.7E-08	2.7E-08	1.1E-07	2.9E-10	1.7E-08	7.0E-08	3.0E-12	1.1E-08	4.3E-08	5.4E-08
294	BKGND	260602.32	4022388.5	260602.32, 4	0.000147031	0.000153166	6.00E-04	2.3E-08	2.4E-08	9.5E-08	2.4E-10	1.5E-08	5.9E-08	2.5E-12	9.4E-09	3.7E-08	4.6E-08
295	BKGND	259429.52	4022432.02	259429.52, 4	0.000394462	0.000211984	8.34E-04	6.2E-08	3.3E-08	1.3E-07	6.5E-10	2.1E-08	8.3E-08	6.8E-12	1.3E-08	5.1E-08	6.4E-08
296	BKGND	259488.16	4022432.02	259488.16, 4	0.000506171	0.00025425	1.00E-03	8.0E-08	4.0E-08	1.6E-07	8.4E-10	2.5E-08	9.9E-08	8.8E-12	1.6E-08	6.1E-08	7.7E-08
297	BKGND	259546.8	4022432.02	259546.8, 40	0.000675156	0.000318299	1.23E-03	1.1E-07	5.0E-08	1.9E-07	1.1E-09	3.2E-08	1.2E-07	1.2E-11	1.9E-08	7.5E-08	9.5E-08
298	BKGND	259605.44	4022432.02	259605.44, 4	0.000944193	0.000442852	1.54E-03	1.5E-07	7.0E-08	2.4E-07	1.6E-09	4.4E-08	1.5E-07	1.6E-11	2.7E-08	9.4E-08	1.2E-07
299	BKGND	259664.08	4022432.02	259664.08, 4	0.001402691	0.000599916	2.01E-03	2.2E-07	9.5E-08	3.2E-07	2.3E-09	5.9E-08	2.0E-07	2.4E-11	3.7E-08	1.2E-07	1.6E-07
300	BKGND	259722.72	4022432.02	259722.72, 4	0.002275187	0.000740331	2.75E-03	3.6E-07	1.2E-07	4.3E-07	3.8E-09	7.3E-08	2.7E-07	3.9E-11	4.5E-08	1.7E-07	2.1E-07
301	BKGND	259781.36	4022432.02	259781.36, 4	0.004284146	0.000950747	3.96E-03	6.7E-07	1.5E-07	6.2E-07	7.1E-09	9.4E-08	3.9E-07	7.4E-11	5.8E-08	2.4E-07	3.0E-07
302	BKGND	259840	4022432.02	259840, 402	0.010088183	0.00132404	5.91E-03	1.6E-06	2.1E-07	9.3E-07	1.7E-08	1.3E-07	5.8E-07	1.7E-10	8.1E-08	3.6E-07	4.4E-07
303	BKGND	259898.64	4022432.02	259898.64, 4	0.01359437	0.001656424	9.05E-03	2.1E-06	2.6E-07	1.4E-06	2.2E-08	1.6E-07	9.0E-07	2.4E-10	1.0E-07	5.5E-07	6.6E-07
304	BKGND	259957.28	4022432.02	259957.28, 4	0.011441575	0.001530781	1.36E-02	1.8E-06	2.4E-07	2.1E-06	1.9E-08	1.5E-07	1.3E-06	2.0E-10	9.4E-08	8.3E-07	9.2E-07
305	BKGND	260015.92	4022432.02	260015.92, 4	0.004715568	0.001568932	1.04E-02	7.4E-07	2.5E-07	1.6E-06	7.8E-09	1.6E-07	1.0E-06	8.2E-11	9.6E-08	6.3E-07	7.3E-07
306	BKGND	260074.56	4022432.02	260074.56, 4	0.00208958	0.001337566	6.35E-03	3.3E-07	2.1E-07	1.0E-06	3.4E-09	1.3E-07	6.3E-07	3.6E-11	8.2E-08	3.9E-07	4.7E-07
307	BKGND	260133.2	4022432.02	260133.2, 40	0.001227369	0.000685597	4.05E-03	1.9E-07	1.1E-07	6.4E-07	2.0E-09	6.8E-08	4.0E-07	2.1E-11	4.2E-08	2.5E-07	2.9E-07
308	BKGND	260191.84	4022432.02	260191.84, 4	0.000775509	0.000503321	2.79E-03	1.2E-07	7.9E-08	4.4E-07	1.3E-09	5.0E-08	2.8E-07	1.3E-11	3.1E-08	1.7E-07	2.0E-07
309	BKGND	260250.48	4022432.02	260250.48, 4	0.000532556	0.000403919	2.07E-03	8.4E-08	6.4E-08	3.3E-07	8.8E-10	4.0E-08	2.0E-07	9.2E-12	2.5E-08	1.3E-07	1.5E-07
310	BKGND	260309.12	4022432.02	260309.12, 4	0.000389737	0.000335335	1.59E-03	6.1E-08	5.3E-08	2.5E-07	6.4E-10	3.3E-08	1.6E-07	6.7E-12	2.1E-08	9.7E-08	1.2E-07
311	BKGND	260367.76	4022432.02	260367.76, 4	0.000299307	0.000279023	1.25E-03	4.7E-08	4.4E-08	2.0E-07	4.9E-10	2.8E-08	1.2E-07	5.2E-12	1.7E-08	7.7E-08	9.4E-08
312	BKGND	260426.4	4022432.02	260426.4, 40	0.000238491	0.000228192	1.01E-03	3.8E-08	3.6E-08	1.6E-07	3.9E-10	2.3E-08	1.0E-07	4.1E-12	1.4E-08	6.2E-08	7.6E-08
313	BKGND	260485.04	4022432.02	260485.04, 4	0.000195668	0.000188661	8.31E-04	3.1E-08	3.0E-08	1.3E-07	3.2E-10	1.9E-08	8.2E-08	3.4E-12	1.2E-08	5.1E-08	6.2E-08
314	BKGND	260543.68	4022432.02	260543.68, 4	0.000163665	0.000161317	6.96E-04	2.6E-08	2.5E-08	1.1E-07	2.7E-10	1.6E-08	6.9E-08	2.8E-12	9.9E-09	4.3E-08	5.2E-08
315	BKGND	260602.32	4022432.02	260602.32, 4	0.000139619	0.000141888	5.91E-04	2.2E-08	2.2E-08	9.3E-08	2.3E-10	1.4E-08	5.9E-08	2.4E-12	8.7E-09	3.6E-08	4.5E-08
316	BKGND	259429.52	4022475.54	259429.52, 4	0.00039306	0.000207109	8.02E-04	6.2E-08	3.3E-08	1.3E-07	6.5E-10	2.1E-08	7.9E-08	6.8E-12	1.3E-08	4.9E-08	6.2E-08
317	BKGND	259488.16	4022475.54	259488.16, 4	0.000499427	0.000261247	9.53E-04	7.9E-08	4.1E-08	1.5E-07	8.2E-10	2.6E-08	9.4E-08	8.6E-12	1.6E-08	5.8E-08	7.4E-08
318	BKGND	259546.8	4022475.54	259546.8, 40	0.000654748	0.000381947	1.16E-03	1.0E-07	6.0E-08	1.8E-07	1.1E-09	3.8E-08	1.1E-07	1.1E-11	2.3E-08	7.1E-08	9.4E-08
319	BKGND	259605.44	4022475.54	259605.44, 4	0.000889787	0.000711279	1.44E-03	1.4E-07	1.1E-07	2.3E-07	1.5E-09	7.0E-08	1.4E-07	1.5E-11	4.4E-08	8.8E-08	1.3E-07
320	BKGND	259664.08	4022475.54	259664.08, 4	0.001260466	0.000835911	1.84E-03	2.0E-07	1.3E-07	2.9E-07	2.1E-09	8.3E-08	1.8E-07	2.2E-11	5.1E-08	1.1E-07	1.6E-07
321	BKGND	259722.72	4022475.54	259722.72, 4	0.001892907	0.000942713	2.41E-03	3.0E-07	1.5E-07	3.8E-07	3.1E-09	9.3E-08	2.4E-07	3.3E-11	5.8E-08	1.5E-07	2.1E-07
322	BKGND	259781.36	4022475.54	259781.36, 4	0.003049697	0.001195449	3.18E-03	4.8E-07	1.9E-07	5.0E-07	5.0E-09	1.2E-07	3.1E-07	5.3E-11	7.3E-08	1.9E-07	2.7E-07
323	BKGND	259840	4022475.54	259840, 402	0.004775786	0.001808528	4.16E-03	7.5E-07	2.8E-07	6.6E-07	7.9E-09	1.8E-07	4.1E-07	8.3E-11	1.1E-07	2.5E-07	3.7E-07
324	BKGND	259898.64	4022475.54	259898.64, 4	0.005392964	0.001652569	5.88E-03	8.5E-07	2.6E-07	9.3E-07	8.9E-09	1.6E-07	5.8E-07	9.3E-11	1.0E-07	3.6E-07	4.6E-07
325	BKGND	259957.28	4022475.54	259957.28, 4	0.004417967	0.001453401	7.02E-03	7.0E-07	2.3E-07	1.1E-06	7.3E-09	1.4E-07	7.0E-07	7.6E-11	8.9E-08	4.3E-07	5.2E-07
326	BKGND	260015.92	4022475.54	260015.92, 4	0.002573383	0.001499987	6.01E-03	4.1E-07	2.4E-07	9.5E-07	4.2E-09	1.5E-07	5.9E-07	4.4E-11	9.2E-08	3.7E-07	4.6E-07
327	BKGND	260074.56	4022475.54	260074.56, 4	0.00147451	0.00136467	4.21E-03	2.3E-07	2.1E-07	6.6E-07	2.4E-09	1.4E-07	4.2E-07	2.5E-11	8.4E-08	2.6E-07	3.4E-07
328	BKGND	260133.2	4022475.54	260133.2, 40	0.000982244	0.000694253	3.16E-03	1.5E-07	1.1E-07	5.0E-07	1.6E-09	6.9E-08	3.1E-07	1.7E-11	4.2E-08	1.9E-07	2.4E-07
329	BKGND	260191.84	4022475.54	260191.84, 4	0.000656015	0.000520085	2.26E-03	1.0E-07	8.2E-08	3.6E-07	1.1E-09	5.1E-08	2.2E-07	1.1E-11	3.2E-08	1.4E-07	1.7E-07
330	BKGND	260250.48	4022475.54	260250.48, 4	0.000466526	0.00041637	1.71E-03	7.3E-08	6.6E-08	2.7E-07	7.7E-10	4.1E-08	1.7E-07	8.1E-12	2.5E-08	1.0E-07	1.3E-07
331	BKGND	260309.12	4022475.54	260309.12, 4	0.000348166	0.000341796	1.37E-03	5.5E-08	5.4E-08	2.2E-07	5.7E-10	3.4E-08	1.4E-07	6.0E-12	2.1E-08	8.4E-08	1.0E-07
332	BKGND	260367.76	4022475.54	260367.76, 4	0.000270763	0.000272251	1.12E-03	4.3E-08	4.3E-08	1.8E-07	4.5E-10	2.7E-08	1.1E-07	4.7E-12	1.7E-08	6.9E-08	8.5E-08
333	BKGND	260426.4	4022475.54	260426.4, 40	0.000217892	0.000212902	9.36E-04	3.4E-08	3.4E-08	1.5E-07	3.6E-10	2.1E-08	9.3E-08	3.8E-12	1.3E-08	5.7E-08	7.0E-08
334	BKGND	260485.04	4022475.54	260485.04, 4	0.000180719	0.000174472	7.89E-04	2.8E-08	2.7E-08	1.2E-07	3.0E-10	1.7E-08	7.8E-08	3.1E-12	1.1E-08	4.8E-08	5.9E-08
335	BKGND	260543.68	4022475.54	260543.68, 4	0.00015291	0.0001498	6.71E-04	2.4E-08	2.4E-08	1.1E-07	2.5E-10	1.5E-08	6.6E-08	2.6E-12	9.2E-09	4.1E-08	5.0E-08
336	BKGND	260602.32	4022475.54	260602.32, 4	0.000131676	0.000132389	5.77E-04	2.1E-08	2.1E-08	9.1E-08	2.2E-10	1.3E-08	5.7E-08	2.3E-12	8.1E-09	3.5E-08	4.3E-08
337	BKGND	259429.52	4022519.06	259429.52, 4	0.000386659	0.000199478	7.64E-04	6.1E-08	3.1E-08	1.2E-07	6.4E-10	2.0E-08	7.6E-08	6.7E-12	1.2E-08	4.7E-08	5.9E-08
338	BKGND	259488.16	4022519.06	259488.16, 4	0.000481715	0.000260209	9.03E-04	7.6E-08	4.1E-08	1.4E-07	8.0E-10	2.6E-08	8.9E-08	8.3E-12	1.6E-08	5.5E-08	7.1E-08
339	BKGND	259546.8	4022519.06	259546.8, 40	0.000616052	0.000564761	1.09E-03	9.7E-08	8.9E-08	1.7E-07	1.0E-09	5.6E-08	1.1E-07	1.1E-11	3.5E-08	6.6E-08	1.0E-07
340	BKGND	259605.44	4022519.06	259605.44, 4	0.000805282	0.000948256	1.33E-03	1.3E-07	1.5E-07	2.1E-07	1.3E-09	9.4E-08	1.3E-07	1.4E-11	5.8E-08	8.1E-08	1.4E-07
341	BKGND	259664.08	4022519.06	259664.08, 4	0.00108645	0.001081494	1.64E-03	1.7E-07	1.7E-07	2.6E-07	1.8E-09	1.1E-07	1.6E-07	1.9E-11	6.6E-08	1.0E-07	1.7E-07
342	BKGND	259722.72	4022519.06	259722.72, 4	0.001509934	0.000993357	2.02E-03	2.4E-07	1.6E-07	3.2E-07	2.5E-09	9.8E-08	2.0E-07	2.6E-11	6.1E-08	1.2E-07	1.8E-07
343	BKGND	259781.36	4022519.06	259781.36, 4	0.002164708	0.001271271	2.47E-03	3.4E-07	2.0E-07	3.9E-07	3.6E-09	1.3E-07	2.4E-07	3.7E-11	7.8E-08	1.5E-07	2.3E-07
344	BKGND	259840	4022519.06	259840, 402	0.002862496	0.001045935	3.10E-03	4.5E-07	1.6E-07	4.9E-07	4.7E-09	1.0E-07	3.1E-07	4.9E-11	6.4E-08	1.9E-07	2.5E-07
345	BKGND	259898.64	4022519.06	259898.64, 4	0.003083135	0.000876745	4.19E-03	4.9E-07	1.4E-07	6.6E-07	5.1E-09	8.7E-08	4.1E-07	5.3E-11	5.4E-08	2.6E-07	3.1E-07
346	BKGND	259957.28	4022519.06	259957.28, 4	0.002610483	0.000765055	4.49E-03	4.1E-07	1.2E-07	7.1E-07	4.3E-09	7.6E-08	4.4E-07	4.5E-11	4.7E-08	2.7E-07	3.2E-07
347	BKGND	260015.92	4022519.06	260015.92, 4	0.001757436	0.000800462	4.12E-03	2.8E-07	1.3E-07	6.5E-07	2.9E-09	7.9E-08	4.1E-07	3.0E-11	4.9E-08	2.5E-07	3.0E-07
348	BKGND	260074.56	4022519.06	260074.56, 4	0.001068225	0.001063998	2.94E-03	1.7E-07	1.7E-07	4.6E-07	1.8E-09	1.1E-07	2.9E-07	1.8E-11	6.5E-08	1.8E-07	2.5E-07
349	BKGND	260133.2	4022519.06	260133.2, 40	0.000789222	0.000834636	2.44E-03	1.2E-07	1.3E-07	3.8E-07	1.3E-09	8.3E-08	2.4E-07	1.4E-11	5.1E-08	1.5E-07	2.0E-07
350	BKGND	260191.84	4022519.06	260191.84, 4	0.000560047	0.000586419	1.90E-03	8.8E-08	9.2E-08	3.0E-07	9.2E-10	5.8E-08	1.9E-07	9.7E-12	3.6E-08	1.2E-07	1.5E-07

351	BKGND	260250.48	4022519.06	260250.48, 4	0.000411116	0.000456366	1.46E-03	6.5E-08	7.2E-08	2.3E-07	6.8E-10	4.5E-08	1.5E-07	7.1E-12	2.8E-08	9.0E-08	1.2E-07
352	BKGND	260309.12	4022519.06	260309.12, 4	0.000313096	0.000359345	1.17E-03	4.9E-08	5.7E-08	1.8E-07	5.2E-10	3.6E-08	1.2E-07	5.4E-12	2.2E-08	7.2E-08	9.4E-08
353	BKGND	260367.76	4022519.06	260367.76, 4	0.000246059	0.000258142	9.78E-04	3.9E-08	4.1E-08	1.5E-07	4.1E-10	2.6E-08	9.7E-08	4.3E-12	1.6E-08	6.0E-08	7.6E-08
354	BKGND	260426.4	4022519.06	260426.4, 40	0.000199535	0.000194737	8.34E-04	3.1E-08	3.1E-08	1.3E-07	3.3E-10	1.9E-08	8.3E-08	3.4E-12	1.2E-08	5.1E-08	6.3E-08
355	BKGND	260485.04	4022519.06	260485.04, 4	0.000166404	0.000160985	7.21E-04	2.6E-08	2.5E-08	1.1E-07	2.7E-10	1.6E-08	7.1E-08	2.9E-12	9.9E-09	4.4E-08	5.4E-08
356	BKGND	260543.68	4022519.06	260543.68, 4	0.000141585	0.000139623	6.27E-04	2.2E-08	2.2E-08	9.9E-08	2.3E-10	1.4E-08	6.2E-08	2.4E-12	8.5E-09	3.8E-08	4.7E-08
357	BKGND	260602.32	4022519.06	260602.32, 4	0.000122822	0.000124059	5.48E-04	1.9E-08	2.0E-08	8.6E-08	2.0E-10	1.2E-08	5.4E-08	2.1E-12	7.6E-09	3.4E-08	4.1E-08
358	BKGND	259429.52	4022562.58	259429.52, 4	0.000373087	0.000188673	7.28E-04	5.9E-08	3.0E-08	1.1E-07	6.2E-10	1.9E-08	7.2E-08	6.5E-12	1.2E-08	4.5E-08	5.6E-08
359	BKGND	259488.16	4022562.58	259488.16, 4	0.000455368	0.000239278	8.54E-04	7.2E-08	3.8E-08	1.3E-07	7.5E-10	2.4E-08	8.5E-08	7.9E-12	1.5E-08	5.2E-08	6.7E-08
360	BKGND	259546.8	4022562.58	259546.8, 40	0.000565758	0.00035108	1.01E-03	8.9E-08	5.5E-08	1.6E-07	9.3E-10	3.5E-08	1.0E-07	9.8E-12	2.1E-08	6.2E-08	8.3E-08
361	BKGND	259605.44	4022562.58	259605.44, 4	0.000714868	0.000496892	1.20E-03	1.1E-07	7.8E-08	1.9E-07	1.2E-09	4.9E-08	1.2E-07	1.2E-11	3.0E-08	7.3E-08	1.0E-07
362	BKGND	259664.08	4022562.58	259664.08, 4	0.000919639	0.000586901	1.41E-03	1.4E-07	9.2E-08	2.2E-07	1.5E-09	5.8E-08	1.4E-07	1.6E-11	3.6E-08	8.7E-08	1.2E-07
363	BKGND	259722.72	4022562.58	259722.72, 4	0.001205564	0.000634983	1.66E-03	1.9E-07	1.0E-07	2.6E-07	2.0E-09	6.3E-08	1.6E-07	2.1E-11	3.9E-08	1.0E-07	1.4E-07
364	BKGND	259781.36	4022562.58	259781.36, 4	0.001572299	0.000631577	1.95E-03	2.5E-07	9.9E-08	3.1E-07	2.6E-09	6.3E-08	1.9E-07	2.7E-11	3.9E-08	1.2E-07	1.6E-07
365	BKGND	259840	4022562.58	259840, 402	0.001879131	0.000615239	2.46E-03	3.0E-07	9.7E-08	3.9E-07	3.1E-09	6.1E-08	2.4E-07	3.2E-11	3.8E-08	1.5E-07	1.9E-07
366	BKGND	259898.64	4022562.58	259898.64, 4	0.001924896	0.000593296	3.04E-03	3.0E-07	9.3E-08	4.8E-07	3.2E-09	5.9E-08	3.0E-07	3.3E-11	3.6E-08	1.9E-07	2.2E-07
367	BKGND	259957.28	4022562.58	259957.28, 4	0.001662318	0.000556804	3.10E-03	2.6E-07	8.8E-08	4.9E-07	2.7E-09	5.5E-08	3.1E-07	2.9E-11	3.4E-08	1.9E-07	2.2E-07
368	BKGND	260015.92	4022562.58	260015.92, 4	0.001236142	0.000577466	2.95E-03	1.9E-07	9.1E-08	4.6E-07	2.0E-09	5.7E-08	2.9E-07	2.1E-11	3.5E-08	1.8E-07	2.2E-07
369	BKGND	260074.56	4022562.58	260074.56, 4	0.000866048	0.000835356	2.32E-03	1.4E-07	1.3E-07	3.7E-07	1.4E-09	8.3E-08	2.3E-07	1.5E-11	5.1E-08	1.4E-07	1.9E-07
370	BKGND	260133.2	4022562.58	260133.2, 40	0.000640804	0.00144912	1.89E-03	1.0E-07	2.3E-07	3.0E-07	1.1E-09	1.4E-07	1.9E-07	1.1E-11	8.9E-08	1.2E-07	2.0E-07
371	BKGND	260191.84	4022562.58	260191.84, 4	0.000481077	0.000787877	1.59E-03	7.6E-08	1.2E-07	2.5E-07	7.9E-10	7.8E-08	1.6E-07	8.3E-12	4.8E-08	9.7E-08	1.5E-07
372	BKGND	260250.48	4022562.58	260250.48, 4	0.000365197	0.000568472	1.29E-03	5.8E-08	9.0E-08	2.0E-07	6.0E-10	5.6E-08	1.3E-07	6.3E-12	3.5E-08	7.9E-08	1.1E-07
373	BKGND	260309.12	4022562.58	260309.12, 4	0.000284195	0.000381083	1.04E-03	4.5E-08	6.0E-08	1.6E-07	4.7E-10	3.8E-08	1.0E-07	4.9E-12	2.3E-08	6.4E-08	8.7E-08
374	BKGND	260367.76	4022562.58	260367.76, 4	0.000226281	0.000230632	8.62E-04	3.6E-08	3.6E-08	1.4E-07	3.7E-10	2.3E-08	8.5E-08	3.9E-12	1.4E-08	5.3E-08	6.7E-08
375	BKGND	260426.4	4022562.58	260426.4, 40	0.000184573	0.000176738	7.38E-04	2.9E-08	2.8E-08	1.2E-07	3.0E-10	1.8E-08	7.3E-08	3.2E-12	1.1E-08	4.5E-08	5.6E-08
376	BKGND	260485.04	4022562.58	260485.04, 4	0.000154243	0.000148898	6.45E-04	2.4E-08	2.3E-08	1.0E-07	2.5E-10	1.5E-08	6.4E-08	2.7E-12	9.1E-09	3.9E-08	4.9E-08
377	BKGND	260543.68	4022562.58	260543.68, 4	0.000131236	0.000130493	5.70E-04	2.1E-08	2.1E-08	9.0E-08	2.2E-10	1.3E-08	5.6E-08	2.3E-12	8.0E-09	3.5E-08	4.3E-08
378	BKGND	260602.32	4022562.58	260602.32, 4	0.000114284	0.000116602	5.08E-04	1.8E-08	1.8E-08	8.0E-08	1.9E-10	1.2E-08	5.0E-08	2.0E-12	7.1E-09	3.1E-08	3.8E-08
379	BKGND	259429.52	4022606.1	259429.52, 4	0.000353333	0.000175115	6.91E-04	5.6E-08	2.8E-08	1.1E-07	5.8E-10	1.7E-08	6.8E-08	6.1E-12	1.1E-08	4.2E-08	5.3E-08
380	BKGND	259488.16	4022606.1	259488.16, 4	0.000421448	0.000211461	7.97E-04	6.6E-08	3.3E-08	1.3E-07	7.0E-10	2.1E-08	7.9E-08	7.3E-12	1.3E-08	4.9E-08	6.2E-08
381	BKGND	259546.8	4022606.1	259546.8, 40	0.000508974	0.000266991	9.19E-04	8.0E-08	4.2E-08	1.4E-07	8.4E-10	2.6E-08	9.1E-08	8.8E-12	1.6E-08	5.6E-08	7.3E-08
382	BKGND	259605.44	4022606.1	259605.44, 4	0.000622703	0.000327172	1.05E-03	9.8E-08	5.2E-08	1.7E-07	1.0E-09	3.2E-08	1.0E-07	1.1E-11	2.0E-08	6.5E-08	8.5E-08
383	BKGND	259664.08	4022606.1	259664.08, 4	0.000773081	0.000375073	1.20E-03	1.2E-07	5.9E-08	1.9E-07	1.3E-09	3.7E-08	1.2E-07	1.3E-11	2.3E-08	7.4E-08	9.7E-08
384	BKGND	259722.72	4022606.1	259722.72, 4	0.000971429	0.000409492	1.37E-03	1.5E-07	6.5E-08	2.2E-07	1.6E-09	4.1E-08	1.4E-07	1.7E-11	2.5E-08	8.4E-08	1.1E-07
385	BKGND	259781.36	4022606.1	259781.36, 4	0.001198378	0.000434758	1.61E-03	1.9E-07	6.8E-08	2.5E-07	2.0E-09	4.3E-08	1.6E-07	2.1E-11	2.7E-08	9.9E-08	1.3E-07
386	BKGND	259840	4022606.1	259840, 402	0.001349687	0.000447544	2.01E-03	2.1E-07	7.1E-08	3.2E-07	2.2E-09	4.4E-08	2.0E-07	2.3E-11	2.7E-08	1.2E-07	1.5E-07
387	BKGND	259898.64	4022606.1	259898.64, 4	0.001335515	0.000445426	2.30E-03	2.1E-07	7.0E-08	3.6E-07	2.2E-09	4.4E-08	2.3E-07	2.3E-11	2.7E-08	1.4E-07	1.7E-07
388	BKGND	259957.28	4022606.1	259957.28, 4	0.001151085	0.000431277	2.28E-03	1.8E-07	6.8E-08	3.6E-07	1.9E-09	4.3E-08	2.3E-07	2.0E-11	2.6E-08	1.4E-07	1.7E-07
389	BKGND	260015.92	4022606.1	260015.92, 4	0.000915636	0.000439911	2.22E-03	1.4E-07	6.9E-08	3.5E-07	1.5E-09	4.4E-08	2.2E-07	1.6E-11	2.7E-08	1.4E-07	1.6E-07
390	BKGND	260074.56	4022606.1	260074.56, 4	0.000692936	0.000514764	1.86E-03	1.1E-07	8.1E-08	2.9E-07	1.1E-09	5.1E-08	1.8E-07	1.2E-11	3.2E-08	1.1E-07	1.5E-07
391	BKGND	260133.2	4022606.1	260133.2, 40	0.000537579	0.000759592	1.52E-03	8.5E-08	1.2E-07	2.4E-07	8.9E-10	7.5E-08	1.5E-07	9.3E-12	4.6E-08	9.3E-08	1.4E-07
392	BKGND	260191.84	4022606.1	260191.84, 4	0.000411413	0.000894487	1.31E-03	6.5E-08	1.4E-07	2.1E-07	6.8E-10	8.9E-08	1.3E-07	7.1E-12	5.5E-08	8.0E-08	1.3E-07
393	BKGND	260250.48	4022606.1	260250.48, 4	0.000322828	0.00101955	1.12E-03	5.1E-08	1.6E-07	1.8E-07	5.3E-10	1.0E-07	1.1E-07	5.6E-12	6.2E-08	6.9E-08	1.3E-07
394	BKGND	260309.12	4022606.1	260309.12, 4	0.000258221	0.000331533	9.38E-04	4.1E-08	5.2E-08	1.5E-07	4.3E-10	3.3E-08	9.3E-08	4.5E-12	2.0E-08	5.7E-08	7.8E-08
395	BKGND	260367.76	4022606.1	260367.76, 4	0.000209861	0.00020256	7.81E-04	3.3E-08	3.2E-08	1.2E-07	3.5E-10	2.0E-08	7.7E-08	3.6E-12	1.2E-08	4.8E-08	6.0E-08
396	BKGND	260426.4	4022606.1	260426.4, 40	0.00017298	0.000161441	6.65E-04	2.7E-08	2.5E-08	1.0E-07	2.9E-10	1.6E-08	6.6E-08	3.0E-12	9.9E-09	4.1E-08	5.1E-08
397	BKGND	260485.04	4022606.1	260485.04, 4	0.000144728	0.000138034	5.81E-04	2.3E-08	2.2E-08	9.1E-08	2.4E-10	1.4E-08	5.7E-08	2.5E-12	8.4E-09	3.6E-08	4.4E-08
398	BKGND	260543.68	4022606.1	260543.68, 4	0.000123381	0.00012182	5.15E-04	1.9E-08	1.9E-08	8.1E-08	2.0E-10	1.2E-08	5.1E-08	2.1E-12	7.5E-09	3.2E-08	3.9E-08
399	BKGND	260602.32	4022606.1	260602.32, 4	0.000107139	0.000109435	4.63E-04	1.7E-08	1.7E-08	7.3E-08	1.8E-10	1.1E-08	4.6E-08	1.9E-12	6.7E-09	2.8E-08	3.5E-08
400	BKGND	259429.52	4022649.62	259429.52, 4	0.000329247	0.000160929	6.48E-04	5.2E-08	2.5E-08	1.0E-07	5.4E-10	1.6E-08	6.4E-08	5.7E-12	9.8E-09	4.0E-08	5.0E-08
401	BKGND	259488.16	4022649.62	259488.16, 4	0.000384591	0.000187491	7.32E-04	6.1E-08	3.0E-08	1.2E-07	6.3E-10	1.9E-08	7.2E-08	6.6E-12	1.1E-08	4.5E-08	5.6E-08
402	BKGND	259546.8	4022649.62	259546.8, 40	0.000453892	0.000221024	8.22E-04	7.2E-08	3.5E-08	1.3E-07	7.5E-10	2.2E-08	8.1E-08	7.8E-12	1.4E-08	5.0E-08	6.4E-08
403	BKGND	259605.44	4022649.62	259605.44, 4	0.000541233	0.000255759	9.20E-04	8.5E-08	4.0E-08	1.4E-07	8.9E-10	2.5E-08	9.1E-08	9.4E-12	1.6E-08	5.6E-08	7.2E-08
404	BKGND	259664.08	4022649.62	259664.08, 4	0.000652962	0.000287291	1.03E-03	1.0E-07	4.5E-08	1.6E-07	1.1E-09	2.8E-08	1.0E-07	1.1E-11	1.8E-08	6.3E-08	8.0E-08
405	BKGND	259722.72	4022649.62	259722.72, 4	0.000791687	0.000314994	1.16E-03	1.2E-07	5.0E-08	1.8E-07	1.3E-09	3.1E-08	1.1E-07	1.4E-11	1.9E-08	7.1E-08	9.0E-08
406	BKGND	259781.36	4022649.62	259781.36, 4	0.000931717	0.000338776	1.38E-03	1.5E-07	5.3E-08	2.2E-07	1.5E-09	3.4E-08	1.4E-07	1.6E-11	2.1E-08	8.4E-08	1.1E-07
407	BKGND	259840	4022649.62	259840, 402	0.001003317	0.000352972	1.65E-03	1.6E-07	5.6E-08	2.6E-07	1.7E-09	3.5E-08	1.6E-07	1.7E-11	2.2E-08	1.0E-07	1.2E-07
408	BKGND	259898.64	4022649.62	259898.64, 4	0.000977713	0.000353828	1.79E-03	1.5E-07	5.6E-08	2.8E-07	1.6E-09	3.5E-08	1.8E-07	1.7E-11	2.2E-08	1.1E-07	1.3E-07
409	BKGND	259957.28	4022649.62	259957.28, 4	0.000860693	0.000345549	1.77E-03	1.4E-07	5.4E-08	2.8E-07	1.4E-09	3.4E-08	1.8E-07	1.5E-11	2.1E-08	1.1E-07	1.3E-07
410	BKGND	260015.92	4022649.62	260015.92, 4	0.000686665	0.000347513	1.73E-03	1.1E-07	5.5E-08	2.7E-07	1.1E-09	3.4E-08	1.7E-07	1.2E-11	2.1E-08	1.1E-07	1.3E-07
411	BKGND	260074.56	4022649.62	260074.56, 4	0.000550547	0.000369686	1.51E-03	8.7E-08	5.8E-08	2.4E-07	9.1E-10	3.7E-08	1.5E-07	9.5E-12	2.3E-08	9.3E-08	1.2E-07
412	BKGND	260133.2	4022649.62	260133.2, 40	0.000451688	0.000418179	1.26E-03	7.1E-08	6.6E-08	2.0E-07	7.5E-10	4.1E-08	1.2E-07	7.8E-12	2.6E-08	7.7E-08	1.0E-07
413	BKGND	260191.84	4022649.62	260191.84, 4	0.000358081	0.000507237	1.09E-03	5.6E-08	8.0E-08	1.7E-07	5.9E-10	5.0E-08	1.1E-07	6.2E-12	3.1E-08	6.7E-08	9.8E-08
414	BKGND	260250.48	4022649.62	260250.48, 4	0.000287124	0.000522645	9.64E-04	4.5E-08	8.2E-08	1.5E-07	4.7E-10	5.2E-08	9.5E-08	5.0E-12	3.2E-08	5.9E-08	9.1E-08
415	BKGND	260309.12	4022649.62	260309.12, 4	0.000233883	0.000257913	8.42E-04	3.7E-08	4.1E-08	1.3E-07	3.9E-10	2.6E-08	8.3E-08	4.0E-12	1.6E-08	5.2E-08	6.7E-08
416	BKGND	260367.76	4022649.62	260367.76, 4	0.000193605	0.000180976	7.18E-04	3.0E-08	2.9E-08	1.1E-07	3.2E-10	1.8E-08	7.1E-08	3.3E-12	1.1E-08	4.4E-08	5.5E-08
417	BKGND	260426.4	4022649.62	260426.4, 40	0.00016211	0.000148026	6.11E-04	2.6E-08	2.3E-08	9.6E-08	2.7E-10	1.5E-08	6.1E-08	2.8E-12	9.1E-09	3.7E-08	4.6E-08
418	BKGND	260485.04	4022649.62	260485.04, 4	0.000136911	0.000127981	5.31E-04	2.2E-08	2.0E-08	8.4E-08	2.3E-10	1.3E-08	5.3E-08	2.4E-12	7.8E-09	3.3E-08	4.0E-08
419	BKGND	260543.68	4022649.62	260543.68, 4	0.000117034	0.000113771	4.71E-04	1.8E-08	1.8E-08	7.4E-08	1.9E-10	1.1E-08	4.7E-08	2.0E-12	7.0E-09	2.9E-08	3.6E-08
420	BKGND	260602.32	4022649.62	260602.32, 4	0.000101578	0.000102688	4.23E-04	1.6E-08	1.6E-08	6.7E-08	1.7E-10	1.0E-08	4.2E-08	1.8E-12	6.3E-09	2.6E-08	3.2E-08
421	BKGND	259429.52	4022693.14	259429.52, 4	0.000303567	0.000147613	5.99E-04	4.8E-08	2.3E-08	9.4E-08	5.0E-10	1.5E-08	5.9E-08	5.2E-12	9.0E-09	3.7E-08	4.6E-08
422	BKGND	259488.16	4022693.14	259488.16, 4	0.000348758	0.000167282	6.62E-04	5.5E-08	2.6E-08	1.0E-07	5.8E-10	1.7E-08	6.6E-08	6.0E-12	1.0E-08	4.1E-08	5.1E-08
423	BKGND	259546.8	4022693.14	259546.8, 40	0.000403898	0.000190014	7.30E-04	6.4E-08	3.0E-08	1.1E-07	6.7E-10	1.9E-08	7.2E-08	7.0E-12	1.2E-08	4.5E-08	5.6E-08
424	BKGND	259605.44	4022693.14	259605.44, 4	0.000471816	0.000213324	8.04E-04	7.4E-08	3.4E-08	1.3E-07	7.8E-10	2.1E-08	8.0E-08	8.2E-12	1.3E-08	4.9E-08	6.2E-08
425	BKGND	259664.08	4022693.14	259664.08, 4	0.000556222	0.000236766	8.86E-04	8.8E-08	3.7E-08	1.4E-07	9.2E-10	2.3E-08	8.8E-08	9.6E-12	1.4E-08	5.4E-08	6.9E-08
426	BKGND	259722.72	4022693.14	259722.72, 4	0.000654657	0.000259164	1.00E-03	1.0E-07	4.1E-08	1.6E-07	1.1E-09	2.6E-08	9.9E-08	1.1E-11	1.6E-08	6.1E-08	7.7E-08
427	BKGND	259781.36	4022693.14	259781.36, 4	0.000742702	0.000278132	1.20E-03	1.2E-07	4.4E-08	1.9E-07	1.2E-09	2.8E-08	1.2E-07	1.3E-11	1.7E-08	7.3E-08	9.0E-08
428	BKGND	259840	4022693.14	259840, 402	0.000774328	0.000289886	1.37E-03	1.2E-07	4.6E-08	2.2E-07	1.3E-09	2.9E-08	1.4E-07	1.3E-11	1.8E-08	8.4E-08	1.0E-07
429	BKGND	259898.64	4022693.14	259898.64, 4	0.000745137	0.000290606	1.44E-03	1.2E-07	4.6E-08	2.3E-07	1.2E-09	2.9E-08	1.4E-07	1.3E-11	1.8E-08	8.8E-08	1.1E-07
430	BKGND	259957.28	4022693.14	259957.28, 4	0.000665175	0.000284378	1.42E-03	1.0E-07	4.5E-08	2.2E-07	1.1E-09	2.8E-08	1.4E-07	1.2E-11	1.7E-08	8.7E-08	1.0E-07
431	BKGND	260015.92	4022693.14	260015.92, 4	0.000555856	0.00028257	1.40E-03	8.8E-08	4.5E-08	2.2E-07	9.2E-10	2.8E-08	1.4E-07	9.6E-12	1.7E-08	8.6E-08	1.0E-07
432	BKGND	260074.56	4022693.14	260074.56, 4	0.000451522	0.000285894	1.26E-03	7.1E-08	4.5E-08	2.0E-07	7.5E-10	2.8E-08	1.2E-07	7.8E-12	1.7E-08	7.7E-08	9.5E-08
433	BKGND	260133.2	4022693.14	260133.2, 40	0.000377348	0.000296559	1.07E-03	5.9E-08	4.7E-08	1.7E-07	6.2E-10	2.9E-08	1.1E-07	6.5E-12	1.8E-08	6.5E-08	8.4E-08
434	BKGND	260191.84	4022693.14	260191.84, 4	0.000312264	0.000297147	9.28E-04	4.9E-08	4.7E-08	1.5E-07	5.2E-10	2.9E-08	9.2E-08	5.4E-12	1.8E-08	5.7E-08	7.5E-08
435	BKGND	260250.48	4022693.14	260250.48, 4	0.000256867	0.000265518	8.32E-04	4.0E-08	4.2E-08	1.3E-07	4.2E-10	2.6E-08	8.2E-08	4.4E-12	1.6E-08	5.1E-08	6.7E-08
436	BKGND	260309.12	4022693.14	260309.12, 4	0.00021294	0.000201429	7.44E-04	3.4E-08	3.2E-08	1.2E-07	3.5E-10	2.0E-08	7.4E-08	3.7E-12	1.2E-08	4.6E-08	5.8E-08
437	BKGND	260367.76	4022693.14	260367.76, 4	0.00017996	0.000159578	6.59E-04	2.8E-08	2.5E-08	1.0E-07	3.0E-10	1.6E-08	6.5E-08	3.1E-12	9.8E-09	4.0E-08	5.0E-08
438	BKGND	260426.4	4022693.14	260426.4, 40	0.000153164	0.000135154	5.71E-04	2.4E-08	2.1E-08	9.0E-08	2.5E-10	1.3E-08	5.7E-08	2.6E-12	8.3E-09	3.5E-08	4.3E-08
439	BKGND	260485.04	4022693.14	260485.04, 4	0.000131538	0.000118579	4.95E-04	2.1E-08	1.9E-08	7.8E-08	2.2E-10	1.2E-08	4.9E-08	2.3E-12	7.3E-09	3.0E-08	3.8E-08
440	BKGND	260543.68	4022693.14	260543.68, 4	0.000112624	0.000106192	4.36E-04	1.8E-08	1.7E-08	6.9E-08	1.9E-10	1.1E-08	4.3E-08	1.9E-12	6.5E-09	2.7E-08	3.3E-08
441	BKGND	260602.32	4022693.14	260602.32, 4	9.77134E-05	9.63626E-05	3.91E-04	1.5E-08	1.5E-08	6.2E-08	1.6E-10	9.5E-09	3.9E-08	1.7E-12	5.9E-09	2.4E-08	3.0E-08
442	R_1	259632.9	4022073.46	259632.9, 40	0.000476697	0.000870148	1.09E-03	7.5E-08	1.4E-07	1.7E-07	7.9E-10	8.6E-08	1.1E-07	8.2E-12	5.3E-08	6.6E-08	1.2E-07
443	R_2	259632.9	4022093.46	259632.9, 40	0.000522942	0.000629416	1.18E-03	8.2E-08	9.9E-08	1.9E-07	8.6E-10	6.2E-08	1.2E-07	9.0E-12	3.9E-08	7.2E-08	1.1E-07
444	R_3	259632.9	4022113.46	259632.9, 40	0.000573912	0.000520253	1.27E-03	9.0E-08	8.2E-08	2.0E-07	9.5E-10	5.2E-08	1.3E-07	9.9E-12	3.2E-08	7.8E-08	1.1E-07
445	R_4	259632.9	4022133.46	259632.9, 40	0.000629455	0.000461383	1.37E-03	9.9E-08	7.3E-08	2.2E-07	1.0E-09	4.6E-08	1.4E-07	1.1E-11	2.8E-08	8.4E-08	1.1E-07
446	R_5	259632.9	4022153.46	259632.9, 40	0.000689039	0.000427022	1.45E-03	1.1E-07	6.7E-08	2.3E-07	1.1E-09	4.2E-08	1.4E-07	1.2E-11	2.6E-08	8.9E-08	1.1E-07
447	R_6	259632.9	4022173.46	259632.9, 40	0.000751526	0.000406164	1.52E-03	1.2E-07	6.4E-08	2.4E-07	1.2E-09	4.0E-08	1.5E-07	1.3E-11	2.5E-08	9.3E-08	1.2E-07
448	R_7	259632.9	4022193.46	259632.9, 40	0.000815091	0.000393537	1.58E-03	1.3E-07	6.2E-08	2.5E-07	1.3E-09	3.9E-08	1.6E-07	1.4E-11	2.4E-08	9.6E-08	1.2E-07
449	R_8	259632.9	4022213.46	259632.9, 40	0.000877622	0.000386166	1.62E-03	1.4E-07	6.1E-08	2.5E-07	1.4E-09	3.8E-08	1.6E-07	1.5E-11	2.4E-08	9.9E-08	1.2E-07
450	R_9	259632.9	4022233.46	259632.9, 40	0.000937486	0.000382379	1.65E-03	1.5E-07	6.0E-08	2.6E-07	1.5E-09	3.8E-08	1.6E-07	1.6E-11	2.3E-08	1.0E-07	1.2E-07
451	R_10	259652.9	4022073.46	259652.9, 40	0.000513061	0.000851708	1.13E-03	8.1E-08	1.3E-07	1.8E-07	8.5E-10	8.4E-08	1.1E-07	8.9E-12	5.2E-08	6.9E-08	1.2E-07
452	R_11	259652.9	4022093.46	259652.9, 40	0.000566031	0.000633026	1.23E-03	8.9E-08	1.0E-07	1.9E-07	9.3E-10	6.3E-08	1.2E-07	9.8E-12	3.9E-08	7.5E-08	1.1E-07
453	R_12	259652.9	4022113.46	259652.9, 40	0.000625284	0.000528856	1.34E-03	9.9E-08	8.3E-08	2.1E-07	1.0E-09	5.2E-08	1.3E-07	1.1E-11	3.2E-08	8.2E-08	1.1E-07
454	R_13	259652.9	4022133.46	259652.9, 40	0.000690959	0.000472753	1.45E-03	1.1E-07	7.4E-08	2.3E-07	1.1E-09	4.7E-08	1.4E-07	1.2E-11	2.9E-08	8.9E-08	1.2E-07
455	R_14	259652.9	4022153.46	259652.9, 40	0.000762538	0.000440872	1.56E-03	1.2E-07	6.9E-08	2.5E-07	1.3E-09	4.4E-08	1.5E-07	1.3E-11	2.7E-08	9.5E-08	1.2E-07
456	R_15	259652.9	4022173.46	259652.9, 40	0.000838919	0.00042271	1.65E-03	1.3E-07	6.7E-08	2.6E-07	1.4E-09	4.2E-08	1.6E-07	1.5E-11	2.6E-08	1.0E-07	1.3E-07
457	R_16	259652.9	4022193.46	259652.9, 40	0.000918	0.000412808	1.72E-03	1.4E-07	6.5E-08	2.7E-07	1.5E-09	4.1E-08	1.7E-07	1.6E-11	2.5E-08	1.1E-07	1.3E-07
458	R_17	259652.9	4022213.46	259652.9, 40	0.000996972	0.000408321	1.78E-03	1.6E-07	6.4E-08	2.8E-07	1.6E-09	4.0E-08	1.8E-07	1.7E-11	2.5E-08	1.1E-07	1.3E-07
459	R_18	259652.9	4022233.46	259652.9, 40	0.001073391	0.000407282	1.82E-03	1.7E-07	6.4E-08	2.9E-07	1.8E-09	4.0E-08	1.8E-07	1.9E-11	2.5E-08	1.1E-07	1.4E-07
460	R_19	259672.9	4022073.46	259672.9, 40	0.000553592	0.000848023	1.17E-03	8.7E-08	1.3E-07	1.8E-07	9.1E-10	8.4E-08	1.2E-07	9.6E-12	5.2E-08	7.2E-08	1.2E-07
461	R_20	259672.9	4022093.46	259672.9, 40	0.000614364	0.000638785	1.29E-03	9.7E-08	1.0E-07	2.0E-07	1.0E-09	6.3E-08	1.3E-07	1.1E-11	3.9E-08	7.9E-08	1.2E-07
462	R_21	259672.9	4022113.46	259672.9, 40	0.000683433	0.000538646	1.41E-03	1.1E-07	8.5E-08	2.2E-07	1.1E-09	5.3E-08	1.4E-07	1.2E-11	3.3E-08	8.6E-08	1.2E-07
463	R_22	259672.9	4022133.46	259672.9, 40	0.000761343	0.00048538	1.54E-03	1.2E-07	7.6E-08	2.4E-07	1.3E-09	4.8E-08	1.5E-07	1.3E-11	3.0E-08	9.4E-08	1.2E-07
464	R_23	259672.9	4022153.46	259672.9, 40	0.000847892	0.000456291	1.67E-03	1.3E-07	7.2E-08	2.6E-07	1.4E-09	4.5E-08	1.7E-07	1.5E-11	2.8E-08	1.0E-07	1.3E-07
465	R_24	259672.9	4022173.46	259672.9, 40	0.00094208	0.000441065	1.79E-03	1.5E-07	6.9E-08	2.8E-07	1.6E-09	4.4E-08	1.8E-07	1.6E-11	2.7E-08	1.1E-07	1.4E-07
466	R_25	259672.9	4022193.46	259672.9, 40	0.00104154	0.000434736	1.89E-03	1.6E-07	6.8E-08	3.0E-07	1.7E-09	4.3E-08	1.9E-07	1.8E-11	2.7E-08	1.2E-07	1.4E-07
467	R_26	259672.9	4022213.46	259672.9, 40	0.001142638	0.000433904	1.96E-03	1.8E-07	6.8E-08	3.1E-07	1.9E-09	4.3E-08	1.9E-07	2.0E-11	2.7E-08	1.2E-07	1.5E-07
468	R_27	259672.9	4022233.46	259672.9, 40	0.001241742	0.000436654	2.02E-03	2.0E-07	6.9E-08	3.2E-07	2.0E-09	4.3E-08	2.0E-07	2.1E-11	2.7E-08	1.2E-07	1.5E-07
469	R_28	259692.9	4022073.46	259692.9, 40	0.000598986	0.000858775	1.22E-03	9.4E-08	1.4E-07	1.9E-07	9.9E-10	8.5E-08	1.2E-07	1.0E-11	5.3E-08	7.5E-08	1.3E-07
470	R_29	259692.9	4022093.46	259692.9, 40	0.000668852	0.000646735	1.34E-03	1.1E-07	1.0E-07	2.1E-07	1.1E-09	6.4E-08	1.3E-07	1.2E-11	4.0E-08	8.2E-08	1.2E-07
471	R_30	259692.9	4022113.46	259692.9, 40	0.000749624	0.000549381	1.48E-03	1.2E-07	8.7E-08	2.3E-07	1.2E-09	5.4E-08	1.5E-07	1.3E-11	3.4E-08	9.1E-08	1.2E-07

472	R_31	259692.9	4022133.46	259692.9, 4(	0.000842402	0.000499219	1.63E-03	1.3E-07	7.9E-08	2.6E-07	1.4E-09	4.9E-08	1.6E-07	1.5E-11	3.1E-08	1.0E-07	1.3E-07
473	R_32	259692.9	4022153.46	259692.9, 4(	0.000947721	0.00047328	1.79E-03	1.5E-07	7.5E-08	2.8E-07	1.6E-09	4.7E-08	1.8E-07	1.6E-11	2.9E-08	1.1E-07	1.4E-07
474	R_33	259692.9	4022173.46	259692.9, 4(	0.001064934	0.000461758	1.94E-03	1.7E-07	7.3E-08	3.1E-07	1.8E-09	4.6E-08	1.9E-07	1.8E-11	2.8E-08	1.2E-07	1.5E-07
475	R_34	259692.9	4022193.46	259692.9, 4(	0.001191611	0.000459474	2.07E-03	1.9E-07	7.2E-08	3.3E-07	2.0E-09	4.5E-08	2.1E-07	2.1E-11	2.8E-08	1.3E-07	1.6E-07
476	R_35	259692.9	4022213.46	259692.9, 4(	0.001323119	0.000463415	2.18E-03	2.1E-07	7.3E-08	3.4E-07	2.2E-09	4.6E-08	2.2E-07	2.3E-11	2.8E-08	1.3E-07	1.6E-07
477	R_36	259692.9	4022233.46	259692.9, 4(	0.001454114	0.000471191	2.25E-03	2.3E-07	7.4E-08	3.5E-07	2.4E-09	4.7E-08	2.2E-07	2.5E-11	2.9E-08	1.4E-07	1.7E-07
478	R_37	259712.9	4022073.46	259712.9, 4(	0.000649941	0.000866323	1.27E-03	1.0E-07	1.4E-07	2.0E-07	1.1E-09	8.6E-08	1.3E-07	1.1E-11	5.3E-08	7.8E-08	1.3E-07
479	R_38	259712.9	4022093.46	259712.9, 4(	0.000730572	0.000655451	1.40E-03	1.2E-07	1.0E-07	2.2E-07	1.2E-09	6.5E-08	1.4E-07	1.3E-11	4.0E-08	8.6E-08	1.3E-07
480	R_39	259712.9	4022113.46	259712.9, 4(	0.000825351	0.000561317	1.56E-03	1.3E-07	8.8E-08	2.5E-07	1.4E-09	5.6E-08	1.5E-07	1.4E-11	3.4E-08	9.5E-08	1.3E-07
481	R_40	259712.9	4022133.46	259712.9, 4(	0.00093638	0.000514455	1.73E-03	1.5E-07	8.1E-08	2.7E-07	1.5E-09	5.1E-08	1.7E-07	1.6E-11	3.1E-08	1.1E-07	1.4E-07
482	R_41	259712.9	4022153.46	259712.9, 4(	0.001065344	0.000492182	1.92E-03	1.7E-07	7.8E-08	3.0E-07	1.8E-09	4.9E-08	1.9E-07	1.8E-11	3.0E-08	1.2E-07	1.5E-07
483	R_42	259712.9	4022173.46	259712.9, 4(	0.001212661	0.000484831	2.10E-03	1.9E-07	7.6E-08	3.3E-07	2.0E-09	4.8E-08	2.1E-07	2.1E-11	3.0E-08	1.3E-07	1.6E-07
484	R_43	259712.9	4022193.46	259712.9, 4(	0.001376358	0.000487714	2.28E-03	2.2E-07	7.7E-08	3.6E-07	2.3E-09	4.8E-08	2.3E-07	2.4E-11	3.0E-08	1.4E-07	1.7E-07
485	R_44	259712.9	4022213.46	259712.9, 4(	0.001550824	0.000497572	2.42E-03	2.4E-07	7.8E-08	3.8E-07	2.6E-09	4.9E-08	2.4E-07	2.7E-11	3.0E-08	1.5E-07	1.8E-07
486	R_45	259712.9	4022233.46	259712.9, 4(	0.001728071	0.000512163	2.53E-03	2.7E-07	8.1E-08	4.0E-07	2.9E-09	5.1E-08	2.5E-07	3.0E-11	3.1E-08	1.5E-07	1.9E-07
487	R_46	259732.9	4022073.46	259732.9, 4(	0.00070738	0.000868666	1.32E-03	1.1E-07	1.4E-07	2.1E-07	1.2E-09	8.6E-08	1.3E-07	1.2E-11	5.3E-08	8.1E-08	1.3E-07
488	R_47	259732.9	4022093.46	259732.9, 4(	0.000800777	0.000665123	1.46E-03	1.3E-07	1.0E-07	2.3E-07	1.3E-09	6.6E-08	1.4E-07	1.4E-11	4.1E-08	9.0E-08	1.3E-07
489	R_48	259732.9	4022113.46	259732.9, 4(	0.000912413	0.000574732	1.63E-03	1.4E-07	9.1E-08	2.6E-07	1.5E-09	5.7E-08	1.6E-07	1.6E-11	3.5E-08	1.0E-07	1.4E-07
490	R_49	259732.9	4022133.46	259732.9, 4(	0.001046011	0.000531129	1.83E-03	1.6E-07	8.4E-08	2.9E-07	1.7E-09	5.3E-08	1.8E-07	1.8E-11	3.3E-08	1.1E-07	1.4E-07
491	R_50	259732.9	4022153.46	259732.9, 4(	0.001205091	0.000512653	2.04E-03	1.9E-07	8.1E-08	3.2E-07	2.0E-09	5.1E-08	2.0E-07	2.1E-11	3.1E-08	1.3E-07	1.6E-07
492	R_51	259732.9	4022173.46	259732.9, 4(	0.001392314	0.000510325	2.28E-03	2.2E-07	8.0E-08	3.6E-07	2.3E-09	5.1E-08	2.3E-07	2.4E-11	3.1E-08	1.4E-07	1.7E-07
493	R_52	259732.9	4022193.46	259732.9, 4(	0.00160734	0.000519607	2.50E-03	2.5E-07	8.2E-08	3.9E-07	2.7E-09	5.1E-08	2.5E-07	2.8E-11	3.2E-08	1.5E-07	1.9E-07
494	R_53	259732.9	4022213.46	259732.9, 4(	0.001844444	0.00053738	2.70E-03	2.9E-07	8.5E-08	4.3E-07	3.0E-09	5.3E-08	2.7E-07	3.2E-11	3.3E-08	1.7E-07	2.0E-07
495	R_54	259732.9	4022233.46	259732.9, 4(	0.002091699	0.000560909	2.85E-03	3.3E-07	8.8E-08	4.5E-07	3.5E-09	5.6E-08	2.8E-07	3.6E-11	3.4E-08	1.7E-07	2.1E-07
496	R_55	259752.9	4022073.46	259752.9, 4(	0.000771797	0.000872692	1.38E-03	1.2E-07	1.4E-07	2.2E-07	1.3E-09	8.6E-08	1.4E-07	1.3E-11	5.3E-08	8.4E-08	1.4E-07
497	R_56	259752.9	4022093.46	259752.9, 4(	0.000880557	0.00067628	1.53E-03	1.4E-07	1.1E-07	2.4E-07	1.5E-09	6.7E-08	1.5E-07	1.5E-11	4.1E-08	9.4E-08	1.3E-07
498	R_57	259772.9	4022073.46	259772.9, 4(	0.000843737	0.000878374	1.44E-03	1.3E-07	1.4E-07	2.3E-07	1.4E-09	8.7E-08	1.4E-07	1.5E-11	5.4E-08	8.8E-08	1.4E-07
499	R_58	259772.9	4022093.46	259772.9, 4(	0.000970937	0.000689231	1.60E-03	1.5E-07	1.1E-07	2.5E-07	1.6E-09	6.8E-08	1.6E-07	1.7E-11	4.2E-08	9.8E-08	1.4E-07
500	R_59	259792.9	4022073.46	259792.9, 4(	0.000923466	0.00088682	1.51E-03	1.5E-07	1.4E-07	2.4E-07	1.5E-09	8.8E-08	1.5E-07	1.6E-11	5.4E-08	9.3E-08	1.5E-07
501	R_60	259792.9	4022093.46	259792.9, 4(	0.001072765	0.000704505	1.68E-03	1.7E-07	1.1E-07	2.7E-07	1.8E-09	7.0E-08	1.7E-07	1.9E-11	4.3E-08	1.0E-07	1.5E-07
502	R_61	259812.9	4022073.46	259812.9, 4(	0.001011945	0.000897663	1.59E-03	1.6E-07	1.4E-07	2.5E-07	1.7E-09	8.9E-08	1.6E-07	1.7E-11	5.5E-08	9.8E-08	1.5E-07
503	R_62	259812.9	4022093.46	259812.9, 4(	0.001187498	0.00072255	1.78E-03	1.9E-07	1.1E-07	2.8E-07	2.0E-09	7.2E-08	1.8E-07	2.1E-11	4.4E-08	1.1E-07	1.5E-07
504	R_63	259832.9	4022073.46	259832.9, 4(	0.001112519	0.000912201	1.69E-03	1.8E-07	1.4E-07	2.7E-07	1.8E-09	9.0E-08	1.7E-07	1.9E-11	5.6E-08	1.0E-07	1.6E-07
505	R_64	259832.9	4022093.46	259832.9, 4(	0.001319809	0.000744306	1.89E-03	2.1E-07	1.2E-07	3.0E-07	2.2E-09	7.4E-08	1.9E-07	2.3E-11	4.6E-08	1.2E-07	1.6E-07
506	S_1	259920.63	4022125.03	259920.63, 4	0.003659671	0.000920959	3.12E-03	5.8E-07	1.5E-07	4.9E-07	6.0E-09	9.1E-08	3.1E-07	6.3E-11	5.6E-08	1.9E-07	2.5E-07
507	S_2	259920.63	4022145.03	259920.63, 4	0.005021777	0.00098155	3.70E-03	7.9E-07	1.5E-07	5.8E-07	8.3E-09	9.7E-08	3.7E-07	8.7E-11	6.0E-08	2.3E-07	2.9E-07
508	S_3	259920.63	4022165.03	259920.63, 4	0.007204073	0.001105374	4.46E-03	1.1E-06	1.7E-07	7.0E-07	1.2E-08	1.1E-07	4.4E-07	1.2E-10	6.8E-08	2.7E-07	3.4E-07
509	S_4	259940.63	4022105.03	259940.63, 4	0.003208924	0.001011239	2.92E-03	5.1E-07	1.6E-07	4.6E-07	5.3E-09	1.0E-07	2.9E-07	5.5E-11	6.2E-08	1.8E-07	2.4E-07
510	S_5	259940.63	4022125.03	259940.63, 4	0.004248358	0.001037601	3.42E-03	6.7E-07	1.6E-07	5.4E-07	7.0E-09	1.0E-07	3.4E-07	7.3E-11	6.4E-08	2.1E-07	2.7E-07
511	S_6	259940.63	4022145.03	259940.63, 4	0.005800219	0.00112401	4.07E-03	9.1E-07	1.8E-07	6.4E-07	9.6E-09	1.1E-07	4.0E-07	1.0E-10	6.9E-08	2.5E-07	3.2E-07
512	S_7	259940.63	4022165.03	259940.63, 4	0.008199311	0.001280951	4.94E-03	1.3E-06	2.0E-07	7.8E-07	1.4E-08	1.3E-07	4.9E-07	1.4E-10	7.8E-08	3.0E-07	3.8E-07
513	S_8	259960.63	4022105.03	259960.63, 4	0.003639996	0.001144796	3.31E-03	5.7E-07	1.8E-07	5.2E-07	6.0E-09	1.1E-07	3.3E-07	6.3E-11	7.0E-08	2.0E-07	2.7E-07
514	S_9	259960.63	4022125.03	259960.63, 4	0.004783238	0.001192585	3.90E-03	7.5E-07	1.9E-07	6.1E-07	7.9E-09	1.2E-07	3.9E-07	8.3E-11	7.3E-08	2.4E-07	3.1E-07
515	S_10	259960.63	4022145.03	259960.63, 4	0.006439327	0.001304742	4.68E-03	1.0E-06	2.1E-07	7.4E-07	1.1E-08	1.3E-07	4.6E-07	1.1E-10	8.0E-08	2.9E-07	3.7E-07
516	S_11	259960.63	4022165.03	259960.63, 4	0.008913208	0.001490475	5.75E-03	1.4E-06	2.3E-07	9.1E-07	1.5E-08	1.5E-07	5.7E-07	1.5E-10	9.1E-08	3.5E-07	4.4E-07
517	S_12	259980.63	4022105.03	259980.63, 4	0.004021885	0.001336762	3.88E-03	6.3E-07	2.1E-07	6.1E-07	6.6E-09	1.3E-07	3.8E-07	7.0E-11	8.2E-08	2.4E-07	3.2E-07
518	S_13	259980.63	4022125.03	259980.63, 4	0.00521557	0.001404959	4.65E-03	8.2E-07	2.2E-07	7.3E-07	8.6E-09	1.4E-07	4.6E-07	9.0E-11	8.6E-08	2.8E-07	3.7E-07
519	S_14	259980.63	4022145.03	259980.63, 4	0.006893487	0.001540247	5.69E-03	1.1E-06	2.4E-07	9.0E-07	1.1E-08	1.5E-07	5.6E-07	1.2E-10	9.4E-08	3.5E-07	4.4E-07
520	S_15	259980.63	4022165.03	259980.63, 4	0.009324604	0.001747614	7.14E-03	1.5E-06	2.8E-07	1.1E-06	1.5E-08	1.7E-07	7.1E-07	1.6E-10	1.1E-07	4.4E-07	5.4E-07
521	S_16	260000.63	4022105.03	260000.63, 4	0.004319653	0.001656084	4.58E-03	6.8E-07	2.6E-07	7.2E-07	7.1E-09	1.6E-07	4.5E-07	7.5E-11	1.0E-07	2.8E-07	3.8E-07
522	S_17	260000.63	4022125.03	260000.63, 4	0.005509521	0.001738108	5.58E-03	8.7E-07	2.7E-07	8.8E-07	9.1E-09	1.7E-07	5.5E-07	9.5E-11	1.1E-07	3.4E-07	4.5E-07
523	S_18	260000.63	4022145.03	260000.63, 4	0.007132868	0.00188327	6.96E-03	1.1E-06	3.0E-07	1.1E-06	1.2E-08	1.9E-07	6.9E-07	1.2E-10	1.2E-07	4.3E-07	5.4E-07
524	S_19	260000.63	4022165.03	260000.63, 4	0.009413218	0.002085423	8.98E-03	1.5E-06	3.3E-07	1.4E-06	1.6E-08	2.1E-07	8.9E-07	1.6E-10	1.3E-07	5.5E-07	6.8E-07
525	R_65	259550.34	4021844.01	259550.34, 4	0.000169791	0.000271935	4.44E-04	2.7E-08	4.3E-08	7.0E-08	2.8E-10	2.7E-08	4.4E-08	2.9E-12	1.7E-08	2.7E-08	4.4E-08
526	R_66	259550.34	4021864.01	259550.34, 4	0.000179228	0.000293496	4.69E-04	2.8E-08	4.6E-08	7.4E-08	3.0E-10	2.9E-08	4.6E-08	3.1E-12	1.8E-08	2.9E-08	4.7E-08
527	R_67	259550.34	4021884.01	259550.34, 4	0.000189627	0.000318966	4.96E-04	3.0E-08	5.0E-08	7.8E-08	3.1E-10	3.2E-08	4.9E-08	3.3E-12	2.0E-08	3.0E-08	5.0E-08
528	R_68	259550.34	4021904.01	259550.34, 4	0.000201154	0.000349915	5.27E-04	3.2E-08	5.5E-08	8.3E-08	3.3E-10	3.5E-08	5.2E-08	3.5E-12	2.1E-08	3.2E-08	5.4E-08
529	R_69	259550.34	4021924.01	259550.34, 4	0.000213947	0.000388394	5.60E-04	3.4E-08	6.1E-08	8.8E-08	3.5E-10	3.8E-08	5.5E-08	3.7E-12	2.4E-08	3.4E-08	5.8E-08
530	R_70	259550.34	4021944.01	259550.34, 4	0.000228185	0.000438434	5.97E-04	3.6E-08	6.9E-08	9.4E-08	3.8E-10	4.3E-08	5.9E-08	3.9E-12	2.7E-08	3.7E-08	6.3E-08
531	R_71	259550.34	4021964.01	259550.34, 4	0.000243992	0.000505843	6.38E-04	3.8E-08	8.0E-08	1.0E-07	4.0E-10	5.0E-08	6.3E-08	4.2E-12	3.1E-08	3.9E-08	7.0E-08
532	R_72	259550.34	4021984.01	259550.34, 4	0.00026151	0.000601727	6.81E-04	4.1E-08	9.5E-08	1.1E-07	4.3E-10	6.0E-08	6.7E-08	4.5E-12	3.7E-08	4.2E-08	7.9E-08
533	R_73	259550.34	4022004.01	259550.34, 4	0.000280763	0.000756459	7.29E-04	4.4E-08	1.2E-07	1.1E-07	4.6E-10	7.5E-08	7.2E-08	4.9E-12	4.6E-08	4.5E-08	9.1E-08
534	R_74	259550.34	4022024.01	259550.34, 4	0.000301765	0.001040139	7.79E-04	4.8E-08	1.6E-07	1.2E-07	5.0E-10	1.0E-07	7.7E-08	5.2E-12	6.4E-08	4.8E-08	1.1E-07
535	R_75	259570.34	4021844.01	259570.34, 4	0.000176669	0.000275916	4.53E-04	2.8E-08	4.3E-08	7.1E-08	2.9E-10	2.7E-08	4.5E-08	3.1E-12	1.7E-08	2.8E-08	4.5E-08
536	R_76	259570.34	4021864.01	259570.34, 4	0.000186688	0.000297628	4.79E-04	2.9E-08	4.7E-08	7.5E-08	3.1E-10	2.9E-08	4.7E-08	3.2E-12	1.8E-08	2.9E-08	4.8E-08
537	R_77	259570.34	4021884.01	259570.34, 4	0.000197733	0.000323404	5.07E-04	3.1E-08	5.1E-08	8.0E-08	3.3E-10	3.2E-08	5.0E-08	3.4E-12	2.0E-08	3.1E-08	5.1E-08
538	R_78	259570.34	4021904.01	259570.34, 4	0.000209969	0.000354599	5.38E-04	3.3E-08	5.6E-08	8.5E-08	3.5E-10	3.5E-08	5.3E-08	3.6E-12	2.2E-08	3.3E-08	5.5E-08
539	R_79	259570.34	4021924.01	259570.34, 4	0.000223561	0.000393722	5.73E-04	3.5E-08	6.2E-08	9.0E-08	3.7E-10	3.9E-08	5.7E-08	3.9E-12	2.4E-08	3.5E-08	5.9E-08
540	R_80	259570.34	4021944.01	259570.34, 4	0.00023871	0.000444766	6.11E-04	3.8E-08	7.0E-08	9.6E-08	3.9E-10	4.4E-08	6.1E-08	4.1E-12	2.7E-08	3.7E-08	6.5E-08
541	R_81	259570.34	4021964.01	259570.34, 4	0.000255633	0.000513244	6.53E-04	4.0E-08	8.1E-08	1.0E-07	4.2E-10	5.1E-08	6.5E-08	4.4E-12	3.1E-08	4.0E-08	7.1E-08
542	R_82	259570.34	4021984.01	259570.34, 4	0.000274506	0.000610731	7.00E-04	4.3E-08	9.6E-08	1.1E-07	4.5E-10	6.0E-08	6.9E-08	4.7E-12	3.7E-08	4.3E-08	8.0E-08
543	R_83	259570.34	4022004.01	259570.34, 4	0.000295443	0.000769073	7.50E-04	4.7E-08	1.2E-07	1.2E-07	4.9E-10	7.6E-08	7.4E-08	5.1E-12	4.7E-08	4.6E-08	9.3E-08
544	R_84	259570.34	4022024.01	259570.34, 4	0.000318534	0.001060422	8.05E-04	5.0E-08	1.7E-07	1.3E-07	5.3E-10	1.1E-07	8.0E-08	5.5E-12	6.5E-08	4.9E-08	1.1E-07
545	R_85	259590.34	4021844.01	259590.34, 4	0.000183952	0.000280541	4.64E-04	2.9E-08	4.4E-08	7.3E-08	3.0E-10	2.8E-08	4.6E-08	3.2E-12	1.7E-08	2.8E-08	4.6E-08
546	R_86	259590.34	4021864.01	259590.34, 4	0.000194668	0.000302493	4.90E-04	3.1E-08	4.8E-08	7.7E-08	3.2E-10	3.0E-08	4.9E-08	3.4E-12	1.9E-08	3.0E-08	4.8E-08
547	R_87	259590.34	4021884.01	259590.34, 4	0.000206473	0.000328624	5.18E-04	3.3E-08	5.2E-08	8.2E-08	3.4E-10	3.3E-08	5.1E-08	3.6E-12	2.0E-08	3.2E-08	5.2E-08
548	R_88	259590.34	4021904.01	259590.34, 4	0.00021952	0.000360213	5.50E-04	3.5E-08	5.7E-08	8.7E-08	3.6E-10	3.6E-08	5.4E-08	3.8E-12	2.2E-08	3.4E-08	5.6E-08
549	R_89	259590.34	4021924.01	259590.34, 4	0.000234036	0.000399843	5.86E-04	3.7E-08	6.3E-08	9.2E-08	3.9E-10	4.0E-08	5.8E-08	4.0E-12	2.4E-08	3.6E-08	6.0E-08
550	R_90	259590.34	4021944.01	259590.34, 4	0.000250224	0.000451371	6.26E-04	3.9E-08	7.1E-08	9.9E-08	4.1E-10	4.5E-08	6.2E-08	4.3E-12	2.8E-08	3.8E-08	6.6E-08
551	R_91	259590.34	4021964.01	259590.34, 4	0.000268375	0.000520742	6.70E-04	4.2E-08	8.2E-08	1.1E-07	4.4E-10	5.2E-08	6.6E-08	4.6E-12	3.2E-08	4.1E-08	7.3E-08
552	R_92	259590.34	4021984.01	259590.34, 4	0.00028873	0.000620553	7.18E-04	4.5E-08	9.8E-08	1.1E-07	4.8E-10	6.1E-08	7.1E-08	5.0E-12	3.8E-08	4.4E-08	8.2E-08
553	R_93	259590.34	4022004.01	259590.34, 4	0.000311479	0.000781897	7.72E-04	4.9E-08	1.2E-07	1.2E-07	5.1E-10	7.7E-08	7.6E-08	5.4E-12	4.8E-08	4.7E-08	9.5E-08
554	R_94	259590.34	4022024.01	259590.34, 4	0.000336837	0.001079798	8.31E-04	5.3E-08	1.7E-07	1.3E-07	5.6E-10	1.1E-07	8.2E-08	5.8E-12	6.6E-08	5.1E-08	1.2E-07
555	R_95	259610.34	4021844.01	259610.34, 4	0.00019164	0.000285422	4.76E-04	3.0E-08	4.5E-08	7.5E-08	3.2E-10	2.8E-08	4.7E-08	3.3E-12	1.7E-08	2.9E-08	4.7E-08
556	R_96	259610.34	4021864.01	259610.34, 4	0.000203154	0.000307805	5.02E-04	3.2E-08	4.8E-08	7.9E-08	3.4E-10	3.0E-08	5.0E-08	3.5E-12	1.9E-08	3.1E-08	5.0E-08
557	R_97	259610.34	4021884.01	259610.34, 4	0.000215821	0.000334185	5.31E-04	3.4E-08	5.3E-08	8.4E-08	3.6E-10	3.3E-08	5.3E-08	3.7E-12	2.0E-08	3.3E-08	5.3E-08
558	R_98	259610.34	4021904.01	259610.34, 4	0.00022983	0.000366282	5.64E-04	3.6E-08	5.8E-08	8.9E-08	3.8E-10	3.6E-08	5.6E-08	4.0E-12	2.2E-08	3.5E-08	5.7E-08
559	R_99	259610.34	4021924.01	259610.34, 4	0.00024541	0.000406315	6.00E-04	3.9E-08	6.4E-08	9.5E-08	4.1E-10	4.0E-08	5.9E-08	4.2E-12	2.5E-08	3.7E-08	6.2E-08
560	R_100	259610.34	4021944.01	259610.34, 4	0.000262814	0.000458161	6.41E-04	4.1E-08	7.2E-08	1.0E-07	4.3E-10	4.5E-08	6.3E-08	4.5E-12	2.8E-08	3.9E-08	6.7E-08
561	R_101	259610.34	4021964.01	259610.34, 4	0.000282345	0.000528499	6.87E-04	4.4E-08	8.3E-08	1.1E-07	4.7E-10	5.2E-08	6.8E-08	4.9E-12	3.2E-08	4.2E-08	7.4E-08
562	R_102	259610.34	4021984.01	259610.34, 4	0.000304334	0.000630523	7.38E-04	4.8E-08	9.9E-08	1.2E-07	5.0E-10	6.2E-08	7.3E-08	5.3E-12	3.9E-08	4.5E-08	8.4E-08
563	R_103	259610.34	4022004.01	259610.34, 4	0.000329085	0.000794818	7.95E-04	5.2E-08	1.3E-07	1.3E-07	5.4E-10	7.9E-08	7.9E-08	5.7E-12	4.9E-08	4.9E-08	9.7E-08
564	R_104	259610.34	4022024.01	259610.34, 4	0.000356913	0.00109952	8.57E-04	5.6E-08	1.7E-07	1.4E-07	5.9E-10	1.1E-07	8.5E-08	6.2E-12	6.7E-08	5.2E-08	1.2E-07
565	R_105	259630.34	4021844.01	259630.34, 4	0.000199708	0.000290601	4.89E-04	3.1E-08	4.6E-08	7.7E-08	3.3E-10	2.9E-08	4.8E-08	3.5E-12	1.8E-08	3.0E-08	4.8E-08
566	R_106	259630.34	4021864.01	259630.34, 4	0.000212109	0.000313159	5.16E-04	3.3E-08	4.9E-08	8.1E-08	3.5E-10	3.1E-08	5.1E-08	3.7E-12	1.9E-08	3.2E-08	5.1E-08
567	R_107	259630.34	4021884.01	259630.34, 4	0.000225776	0.000340005	5.45E-04	3.6E-08	5.4E-08	8.6E-08	3.7E-10	3.4E-08	5.4E-08	3.9E-12	2.1E-08	3.3E-08	5.4E-08
568	R_108	259630.34	4021904.01	259630.34, 4	0.000240887	0.000372366	5.78E-04	3.8E-08	5.9E-08	9.1E-08	4.0E-10	3.7E-08	5.7E-08	4.2E-12	2.3E-08	3.5E-08	5.8E-08
569	R_109	259630.34	4021924.01	259630.34, 4	0.000257709	0.000412843	6.16E-04	4.1E-08	6.5E-08	9.7E-08	4.3E-10	4.1E-08	6.1E-08	4.5E-12	2.5E-08	3.8E-08	6.3E-08
570	R_110	259630.34	4021944.01	259630.34, 4	0.000276518	0.000465388	6.57E-04	4.4E-08	7.3E-08	1.0E-07	4.6E-10	4.6E-08	6.5E-08	4.8E-12	2.8E-08	4.0E-08	6.9E-08
571	R_111	259630.34	4021964.01	259630.34, 4	0.000297646	0.000536732	7.05E-04	4.7E-08	8.5E-08	1.1E-07	4.9E-10	5.3E-08	7.0E-08	5.1E-12	3.3E-08	4.3E-08	7.6E-08
572	R_112	259630.34	4021984.01	259630.34, 4	0.000321497	0.000640598	7.58E-04	5.1E-08	1.0E-07	1.2E-07	5.3E-10	6.3E-08	7.5E-08	5.6E-12	3.9E-08	4.6E-08	8.6E-08
573	R_113	259630.34	4022004.01	259630.34, 4	0.000348476	0.000807859	8.17E-04	5.5E-08	1.3E-07	1.3E-07	5.8E-10	8.0E-08	8.1E-08	6.0E-12	4.9E-08	5.0E-08	9.9E-08
574	R_114	259630.34	4022024.01	259630.34, 4	0.00037904	0.001120138	8.84E-04	6.0E-08	1.8E-07	1.4E-07	6.3E-10	1.1E-07	8.8E-08	6.6E-12	6.9E-08	5.4E-08	1.2E-07
575	R_115	259650.34	4021844.01	259650.34, 4	0.000208144	0.000295978	5.03E-04	3.3E-08	4.7E-08	7.9E-08	3.4E-10	2.9E-08	5.0E-08	3.6E-12	1.8E-08	3.1E-08	4.9E-08
576	R_116	259650.34	4021864.01	259650.34, 4	0.000221533	0.000318823	5.31E-04	3.5E-08	5.0E-08	8.4E-08	3.7E-10	3.2E-08	5.3E-08	3.8E-12	2.0E-08	3.2E-08	5.2E-08
577	R_117	259650.34	4021884.01	259650.34, 4	0.000236314	0.000345981	5.61E-04	3.7E-08	5.5E-08	8.8E-08	3.9E-10	3.4E-08	5.6E-08	4.1E-12	2.1E-08	3.4E-08	5.6E-08
578	R_118	259650.34	4021904.01	259650.34, 4	0.000252692	0.000378768	5.95E-04	4.0E-08	6.0E-08	9.4E-08	4.2E-10	3.8E-08	5.9E-08	4.4E-12	2.3E-08	3.6E-08	6.0E-08
579	R_119	259650.34	4021924.01	259650.34, 4	0.000270932	0.000419808	6.33E-04	4.3E-08	6.6E-08	1.0E-07	4.5E-10	4.2E-08	6.3E-08	4.7E-12	2.6E-08	3.9E-08	6.4E-08
580	R_120	259650.34	4021944.01	259650.34, 4	0.000291338	0.000473021	6.76E-04	4.6E-08	7.5E-08	1.1E-07	4.8E-10	4.7E-08	6.7E-08	5.0E-12	2.9E-08	4.1E-08	7.0E-08
581	R_121	259650.34	4021964.01	259650.34, 4	0.000314327	0.000545358	7.24E-04	5.0E-08	8.6E-08	1.1E-07	5.2E-10	5.4E-08	7.2E-08	5.4E-12	3.3E-08	4.4E-08	7.8E-08
582	R_122	259650.34	4021984.01	259650.34, 4	0.000340319	0.00065091	7.79E-04	5.4E-08	1.0E-07	1.2E-07	5.6E-10	6.4E-08	7.7E-08	5.9E-12	4.0E-08	4.8E-08	8.8E-08
583	R_123	259650.34	4022004.01	259650.34, 4	0.000369844	0.000821309	8.41E-04	5.8E-08	1.3E-07	1.3E-07	6.1E-10	8.1E-08	8.3E-08	6.4E-12	5.0E-08	5.1E-08	1.0E-07
584	R_124	259650.34	4022024.01	259650.34, 4	0.000403524	0.00114101	9.12E-04	6.4E-08	1.8E-07	1.4E-07	6.7E-10	1.1E-07	9.0E-08	7.0E-12	7.0E-08	5.6E-08	1.3E-07
585	R_125	259670.34	4021844.01	259670.34, 4	0.000216922	0.000301765	5.19E-04	3.4E-08	4.8E-08	8.2E-08	3.6E-10	3.0E-08	5.1E-08	3.8E-12	1.8E-08	3.2E-08	5.0E-08
586	R_126	259670.34	4021864.01	259670.34, 4	0.0002314	0.000325029	5.47E-04	3.6E-08	5.1E-08	8.6E-08	3.8E-10	3.2E-08	5.4E-08	4.0E-12	2.0E-08	3.3E-08	5.3E-08
587	R_127	259670.34	4021884.01	259670.34, 4	0.000247423	0.000352394	5.78E-04	3.9E-08	5.6E-08	9.1E-08	4.1E-10	3.5E-08	5.7E-08	4.3E-12	2.2E-08	3.5E-08	5.7E-08
588	R_128	259670.34	4021904.01	259670.34, 4	0.000265219	0.000385711	6.13E-04	4.2E-08	6.1E-08	9.7E-08	4.4E-10	3.8E-08	6.1E-08	4.6E-12	2.4E-08	3.8E-08	6.1E-08
589	R_129	259670.34	4021924.01	259670.34, 4	0.00028508	0.000427264	6.52E-04	4.5E-08	6.7E-08	1.0E-07	4.7E-10	4.2E-08	6.5E-08	4.9E-12	2.6E-08	4.0E-08	6.6E-08
590	R_130	259670.34	4021944.01	259670.34, 4	0.000307348	0.000481176	6.96E-04	4.8E-08	7.6E-08	1.1E-07	5.1E-10	4.8E-08	6.9E-08	5.3E-12	2.9E-08	4.3E-08	7.2E-08
591	R_131	259670.34	4021964.01	259670.34, 4	0.000332452	0.000554553	7.45E-04	5.2E-08	8.7E-08	1.2E-07	5.5E-10	5.5E-08	7.4E-08	5.7E-12	3.4E-08	4.6E-08	8.0E-08
592	R_132	259670.34	4021984.01	259670.34, 4	0.000360926	0.000661795	8.02E-04	5.7E-08	1.0E-07	1.3E-07	6.0E-10	6.6E-08	7.9E-08	6.2E-12	4.1E-08	4.9E-08	9.0E-08

593	R_133	259670.34	4022004.01	259670.34, 4	0.00039339	0.00083538	8.67E-04	6.2E-08	1.3E-07	1.4E-07	6.5E-10	8.3E-08	8.6E-08	6.8E-12	5.1E-08	5.3E-08	1.0E-07
594	R_134	259670.34	4022024.01	259670.34, 4	0.000430604	0.001163363	9.41E-04	6.8E-08	1.8E-07	1.5E-07	7.1E-10	1.2E-07	9.3E-08	7.4E-12	7.1E-08	5.8E-08	1.3E-07
595	R_135	259690.34	4021844.01	259690.34, 4	0.000225991	0.000308107	5.34E-04	3.6E-08	4.9E-08	8.4E-08	3.7E-10	3.1E-08	5.3E-08	3.9E-12	1.9E-08	3.3E-08	5.2E-08
596	R_136	259690.34	4021864.01	259690.34, 4	0.00024166	0.000331668	5.64E-04	3.8E-08	5.2E-08	8.9E-08	4.0E-10	3.3E-08	5.6E-08	4.2E-12	2.0E-08	3.5E-08	5.5E-08
597	R_137	259690.34	4021884.01	259690.34, 4	0.000259063	0.00035939	5.97E-04	4.1E-08	5.7E-08	9.4E-08	4.3E-10	3.6E-08	5.9E-08	4.5E-12	2.2E-08	3.7E-08	5.9E-08
598	R_138	259690.34	4021904.01	259690.34, 4	0.000278443	0.000393113	6.33E-04	4.4E-08	6.2E-08	1.0E-07	4.6E-10	3.9E-08	6.3E-08	4.8E-12	2.4E-08	3.9E-08	6.3E-08
599	R_139	259690.34	4021924.01	259690.34, 4	0.000300128	0.000435186	6.73E-04	4.7E-08	6.9E-08	1.1E-07	5.0E-10	4.3E-08	6.7E-08	5.2E-12	2.7E-08	4.1E-08	6.8E-08
600	R_140	259690.34	4021944.01	259690.34, 4	0.000324498	0.000489817	7.18E-04	5.1E-08	7.7E-08	1.1E-07	5.4E-10	4.9E-08	7.1E-08	5.6E-12	3.0E-08	4.4E-08	7.4E-08
601	R_141	259690.34	4021964.01	259690.34, 4	0.00035206	0.000564268	7.69E-04	5.5E-08	8.9E-08	1.2E-07	5.8E-10	5.6E-08	7.6E-08	6.1E-12	3.5E-08	4.7E-08	8.2E-08
602	R_142	259690.34	4021984.01	259690.34, 4	0.000383409	0.000673406	8.28E-04	6.0E-08	1.1E-07	1.3E-07	6.3E-10	6.7E-08	8.2E-08	6.6E-12	4.1E-08	5.1E-08	9.2E-08
603	R_143	259690.34	4022004.01	259690.34, 4	0.000419267	0.000850427	8.94E-04	6.6E-08	1.3E-07	1.4E-07	6.9E-10	8.4E-08	8.9E-08	7.2E-12	5.2E-08	5.5E-08	1.1E-07
604	R_144	259690.34	4022024.01	259690.34, 4	0.000460546	0.001186765	9.71E-04	7.3E-08	1.9E-07	1.5E-07	7.6E-10	1.2E-07	9.6E-08	8.0E-12	7.3E-08	5.9E-08	1.3E-07
605	R_145	259710.34	4021844.01	259710.34, 4	0.000235326	0.000315014	5.50E-04	3.7E-08	5.0E-08	8.7E-08	3.9E-10	3.1E-08	5.4E-08	4.1E-12	1.9E-08	3.4E-08	5.3E-08
606	R_146	259710.34	4021864.01	259710.34, 4	0.000252287	0.000338761	5.82E-04	4.0E-08	5.3E-08	9.2E-08	4.2E-10	3.4E-08	5.8E-08	4.4E-12	2.1E-08	3.6E-08	5.6E-08
607	R_147	259710.34	4021884.01	259710.34, 4	0.000271172	0.000366969	6.17E-04	4.3E-08	5.8E-08	9.7E-08	4.5E-10	3.6E-08	6.1E-08	4.7E-12	2.2E-08	3.8E-08	6.0E-08
608	R_148	259710.34	4021904.01	259710.34, 4	0.0002923	0.000401134	6.55E-04	4.6E-08	6.3E-08	1.0E-07	4.8E-10	4.0E-08	6.5E-08	5.1E-12	2.5E-08	4.0E-08	6.5E-08
609	R_149	259710.34	4021924.01	259710.34, 4	0.000316024	0.000443892	6.97E-04	5.0E-08	7.0E-08	1.1E-07	5.2E-10	4.4E-08	6.9E-08	5.5E-12	2.7E-08	4.3E-08	7.0E-08
610	R_150	259710.34	4021944.01	259710.34, 4	0.000342775	0.000499161	7.44E-04	5.4E-08	7.9E-08	1.2E-07	5.7E-10	4.9E-08	7.4E-08	5.9E-12	3.1E-08	4.6E-08	7.6E-08
611	R_151	259710.34	4021964.01	259710.34, 4	0.000373136	0.000574747	7.96E-04	5.9E-08	9.1E-08	1.3E-07	6.2E-10	5.7E-08	7.9E-08	6.5E-12	3.5E-08	4.9E-08	8.4E-08
612	R_152	259710.34	4021984.01	259710.34, 4	0.000407778	0.000685746	8.56E-04	6.4E-08	1.1E-07	1.3E-07	6.7E-10	6.8E-08	8.5E-08	7.1E-12	4.2E-08	5.2E-08	9.4E-08
613	R_153	259710.34	4022004.01	259710.34, 4	0.000447563	0.000866432	9.25E-04	7.1E-08	1.4E-07	1.5E-07	7.4E-10	8.6E-08	9.2E-08	7.7E-12	5.3E-08	5.7E-08	1.1E-07
614	R_154	259710.34	4022024.01	259710.34, 4	0.000493604	0.001211718	1.01E-03	7.8E-08	1.9E-07	1.6E-07	8.1E-10	1.2E-07	1.0E-07	8.5E-12	7.4E-08	6.2E-08	1.4E-07
615	R_155	259730.34	4021844.01	259730.34, 4	0.000244839	0.00032238	5.65E-04	3.9E-08	5.1E-08	8.9E-08	4.0E-10	3.2E-08	5.6E-08	4.2E-12	2.0E-08	3.5E-08	5.4E-08
616	R_156	259730.34	4021864.01	259730.34, 4	0.000263167	0.000346569	5.99E-04	4.1E-08	5.5E-08	9.4E-08	4.3E-10	3.4E-08	5.9E-08	4.6E-12	2.1E-08	3.7E-08	5.8E-08
617	R_157	259730.34	4021884.01	259730.34, 4	0.000283687	0.000375153	6.37E-04	4.5E-08	5.9E-08	1.0E-07	4.7E-10	3.7E-08	6.3E-08	4.9E-12	2.3E-08	3.9E-08	6.2E-08
618	R_158	259730.34	4021904.01	259730.34, 4	0.000306714	0.000409901	6.77E-04	4.8E-08	6.5E-08	1.1E-07	5.1E-10	4.1E-08	6.7E-08	5.3E-12	2.5E-08	4.1E-08	6.7E-08
619	R_159	259730.34	4021924.01	259730.34, 4	0.00033268	0.000453123	7.22E-04	5.2E-08	7.1E-08	1.1E-07	5.5E-10	4.5E-08	7.2E-08	5.8E-12	2.8E-08	4.4E-08	7.2E-08
620	R_160	259730.34	4021944.01	259730.34, 4	0.000362104	0.000509316	7.71E-04	5.7E-08	8.0E-08	1.2E-07	6.0E-10	5.0E-08	7.6E-08	6.3E-12	3.1E-08	4.7E-08	7.8E-08
621	R_161	259730.34	4021964.01	259730.34, 4	0.000395619	0.0005862	8.27E-04	6.2E-08	9.2E-08	1.3E-07	6.5E-10	5.8E-08	8.2E-08	6.8E-12	3.6E-08	5.1E-08	8.6E-08
622	R_162	259730.34	4021984.01	259730.34, 4	0.000434035	0.000699137	8.89E-04	6.8E-08	1.1E-07	1.4E-07	7.2E-10	6.9E-08	8.8E-08	7.5E-12	4.3E-08	5.4E-08	9.7E-08
623	R_163	259730.34	4022004.01	259730.34, 4	0.000478366	0.000883657	9.60E-04	7.5E-08	1.4E-07	1.5E-07	7.9E-10	8.8E-08	9.5E-08	8.3E-12	5.4E-08	5.9E-08	1.1E-07
624	R_164	259730.34	4022024.01	259730.34, 4	0.000529943	0.001238227	1.04E-03	8.3E-08	2.0E-07	1.6E-07	8.7E-10	1.2E-07	1.0E-07	9.2E-12	7.6E-08	6.4E-08	1.4E-07
625	R_165	259750.34	4021844.01	259750.34, 4	0.000254441	0.00033059	5.78E-04	4.0E-08	5.2E-08	9.1E-08	4.2E-10	3.3E-08	5.7E-08	4.4E-12	2.0E-08	3.5E-08	5.6E-08
626	R_166	259750.34	4021864.01	259750.34, 4	0.000274225	0.000355239	6.15E-04	4.3E-08	5.6E-08	9.7E-08	4.5E-10	3.5E-08	6.1E-08	4.7E-12	2.2E-08	3.8E-08	5.9E-08
627	R_167	259750.34	4021884.01	259750.34, 4	0.000296455	0.000384219	6.55E-04	4.7E-08	6.1E-08	1.0E-07	4.9E-10	3.8E-08	6.5E-08	5.1E-12	2.4E-08	4.0E-08	6.4E-08
628	R_168	259750.34	4021904.01	259750.34, 4	0.000321534	0.000419444	6.99E-04	5.1E-08	6.6E-08	1.1E-07	5.3E-10	4.2E-08	6.9E-08	5.6E-12	2.6E-08	4.3E-08	6.8E-08
629	R_169	259750.34	4021924.01	259750.34, 4	0.000349957	0.000463394	7.48E-04	5.5E-08	7.3E-08	1.2E-07	5.8E-10	4.6E-08	7.4E-08	6.1E-12	2.8E-08	4.6E-08	7.4E-08
630	R_170	259750.34	4021944.01	259750.34, 4	0.000382307	0.000520415	8.00E-04	6.0E-08	8.2E-08	1.3E-07	6.3E-10	5.2E-08	7.9E-08	6.6E-12	3.2E-08	4.9E-08	8.1E-08
631	R_171	259750.34	4021964.01	259750.34, 4	0.000419368	0.000598514	8.59E-04	6.6E-08	9.4E-08	1.4E-07	6.9E-10	5.9E-08	8.5E-08	7.3E-12	3.7E-08	5.3E-08	8.9E-08
632	R_172	259750.34	4021984.01	259750.34, 4	0.000462052	0.000713445	9.25E-04	7.3E-08	1.1E-07	1.5E-07	7.6E-10	7.1E-08	9.2E-08	8.0E-12	4.4E-08	5.7E-08	1.0E-07
633	R_173	259750.34	4022004.01	259750.34, 4	0.000511589	0.000902013	1.00E-03	8.1E-08	1.4E-07	1.6E-07	8.4E-10	8.9E-08	9.9E-08	8.8E-12	5.5E-08	6.1E-08	1.2E-07
634	R_174	259750.34	4022024.01	259750.34, 4	0.000569549	0.001265914	1.09E-03	9.0E-08	2.0E-07	1.7E-07	9.4E-10	1.3E-07	1.1E-07	9.8E-12	7.7E-08	6.6E-08	1.4E-07
635	R_175	259770.34	4021844.01	259770.34, 4	0.000264093	0.000339851	5.92E-04	4.2E-08	5.4E-08	9.3E-08	4.4E-10	3.4E-08	5.9E-08	4.6E-12	2.1E-08	3.6E-08	5.7E-08
636	R_176	259770.34	4021864.01	259770.34, 4	0.000285398	0.000364729	6.31E-04	4.5E-08	5.7E-08	9.9E-08	4.7E-10	3.6E-08	6.2E-08	4.9E-12	2.2E-08	3.9E-08	6.1E-08
637	R_177	259770.34	4021884.01	259770.34, 4	0.000309438	0.000394239	6.73E-04	4.9E-08	6.2E-08	1.1E-07	5.1E-10	3.9E-08	6.7E-08	5.4E-12	2.4E-08	4.1E-08	6.5E-08
638	R_178	259770.34	4021904.01	259770.34, 4	0.000336696	0.000429952	7.21E-04	5.3E-08	6.8E-08	1.1E-07	5.6E-10	4.3E-08	7.1E-08	5.8E-12	2.6E-08	4.4E-08	7.0E-08
639	R_179	259770.34	4021924.01	259770.34, 4	0.000367728	0.00047465	7.72E-04	5.8E-08	7.5E-08	1.2E-07	6.1E-10	4.7E-08	7.6E-08	6.4E-12	2.9E-08	4.7E-08	7.6E-08
640	R_180	259770.34	4021944.01	259770.34, 4	0.00040327	0.000532657	8.30E-04	6.4E-08	8.4E-08	1.3E-07	6.7E-10	5.3E-08	8.2E-08	7.0E-12	3.3E-08	5.1E-08	8.3E-08
641	R_181	259770.34	4021964.01	259770.34, 4	0.000444194	0.000612041	8.93E-04	7.0E-08	9.6E-08	1.4E-07	7.3E-10	6.1E-08	8.8E-08	7.7E-12	3.7E-08	5.5E-08	9.2E-08
642	R_182	259770.34	4021984.01	259770.34, 4	0.000491653	0.000729213	9.64E-04	7.7E-08	1.1E-07	1.5E-07	8.1E-10	7.2E-08	9.5E-08	8.5E-12	4.5E-08	5.9E-08	1.0E-07
643	R_183	259770.34	4022004.01	259770.34, 4	0.00054708	0.000921832	1.04E-03	8.6E-08	1.5E-07	1.6E-07	9.0E-10	9.1E-08	1.0E-07	9.5E-12	5.6E-08	6.4E-08	1.2E-07
644	R_184	259770.34	4022024.01	259770.34, 4	0.000612398	0.001295863	1.13E-03	9.6E-08	2.0E-07	1.8E-07	1.0E-09	1.3E-07	1.1E-07	1.1E-11	7.9E-08	6.9E-08	1.5E-07
645	R_185	259790.34	4021844.01	259790.34, 4	0.000273872	0.00035028	6.07E-04	4.3E-08	5.5E-08	9.6E-08	4.5E-10	3.5E-08	6.0E-08	4.7E-12	2.1E-08	3.7E-08	5.9E-08
646	R_186	259790.34	4021864.01	259790.34, 4	0.000296747	0.000375646	6.47E-04	4.7E-08	5.9E-08	1.0E-07	4.9E-10	3.7E-08	6.4E-08	5.1E-12	2.3E-08	4.0E-08	6.3E-08
647	R_187	259790.34	4021884.01	259790.34, 4	0.000322675	0.000405577	6.92E-04	5.1E-08	6.4E-08	1.1E-07	5.3E-10	4.0E-08	6.8E-08	5.6E-12	2.5E-08	4.2E-08	6.7E-08
648	R_188	259790.34	4021904.01	259790.34, 4	0.0003522	0.000441932	7.41E-04	5.5E-08	7.0E-08	1.2E-07	5.8E-10	4.4E-08	7.3E-08	6.1E-12	2.7E-08	4.5E-08	7.2E-08
649	R_189	259790.34	4021924.01	259790.34, 4	0.000386019	0.000487294	7.96E-04	6.1E-08	7.7E-08	1.3E-07	6.4E-10	4.8E-08	7.9E-08	6.7E-12	3.0E-08	4.9E-08	7.9E-08
650	R_190	259790.34	4021944.01	259790.34, 4	0.000424942	0.000546205	8.58E-04	6.7E-08	8.6E-08	1.4E-07	7.0E-10	5.4E-08	8.5E-08	7.3E-12	3.3E-08	5.3E-08	8.6E-08
651	R_191	259790.34	4021964.01	259790.34, 4	0.000470071	0.000627056	9.27E-04	7.4E-08	9.9E-08	1.5E-07	7.8E-10	6.2E-08	9.2E-08	8.1E-12	3.8E-08	5.7E-08	9.5E-08
652	R_192	259790.34	4021984.01	259790.34, 4	0.000522749	0.000746566	1.00E-03	8.2E-08	1.2E-07	1.6E-07	8.6E-10	7.4E-08	9.9E-08	9.0E-12	4.6E-08	6.1E-08	1.1E-07
653	R_193	259790.34	4022004.01	259790.34, 4	0.000584736	0.000943442	1.09E-03	9.2E-08	1.5E-07	1.7E-07	9.7E-10	9.3E-08	1.1E-07	1.0E-11	5.8E-08	6.7E-08	1.2E-07
654	R_194	259790.34	4022024.01	259790.34, 4	0.000658375	0.001327523	1.19E-03	1.0E-07	2.1E-07	1.9E-07	1.1E-09	1.3E-07	1.2E-07	1.1E-11	8.1E-08	7.3E-08	1.5E-07
655	R_195	259810.34	4021844.01	259810.34, 4	0.000284006	0.000362106	6.23E-04	4.5E-08	5.7E-08	9.8E-08	4.7E-10	3.6E-08	6.2E-08	4.9E-12	2.2E-08	3.8E-08	6.0E-08
656	R_196	259810.34	4021864.01	259810.34, 4	0.000308528	0.000387991	6.65E-04	4.9E-08	6.1E-08	1.0E-07	5.1E-10	3.8E-08	6.6E-08	5.3E-12	2.4E-08	4.1E-08	6.4E-08
657	R_197	259810.34	4021884.01	259810.34, 4	0.000336444	0.000418498	7.11E-04	5.3E-08	6.6E-08	1.1E-07	5.6E-10	4.1E-08	7.0E-08	5.8E-12	2.6E-08	4.4E-08	6.9E-08
658	R_198	259810.34	4021904.01	259810.34, 4	0.000368376	0.000455415	7.63E-04	5.8E-08	7.2E-08	1.2E-07	6.1E-10	4.5E-08	7.6E-08	6.4E-12	2.8E-08	4.7E-08	7.5E-08
659	R_199	259810.34	4021924.01	259810.34, 4	0.000405108	0.000501613	8.21E-04	6.4E-08	7.9E-08	1.3E-07	6.7E-10	5.0E-08	8.1E-08	7.0E-12	3.1E-08	5.0E-08	8.1E-08
660	R_200	259810.34	4021944.01	259810.34, 4	0.000447666	0.000561595	8.86E-04	7.1E-08	8.8E-08	1.4E-07	7.4E-10	5.6E-08	8.8E-08	7.7E-12	3.4E-08	5.4E-08	8.9E-08
661	R_201	259810.34	4021964.01	259810.34, 4	0.000497316	0.000643925	9.59E-04	7.8E-08	1.0E-07	1.5E-07	8.2E-10	6.4E-08	9.5E-08	8.6E-12	3.9E-08	5.9E-08	9.8E-08
662	R_202	259810.34	4021984.01	259810.34, 4	0.000555681	0.000765662	1.04E-03	8.8E-08	1.2E-07	1.6E-07	9.2E-10	7.6E-08	1.0E-07	9.6E-12	4.7E-08	6.4E-08	1.1E-07
663	R_203	259810.34	4022004.01	259810.34, 4	0.000624912	0.000966894	1.14E-03	9.8E-08	1.5E-07	1.8E-07	1.0E-09	9.6E-08	1.1E-07	1.1E-11	5.9E-08	7.0E-08	1.3E-07
664	R_204	259810.34	4022024.01	259810.34, 4	0.000707847	0.001362054	1.24E-03	1.1E-07	2.1E-07	2.0E-07	1.2E-09	1.3E-07	1.2E-07	1.2E-11	8.3E-08	7.6E-08	1.6E-07
665	R_205	259830.34	4021844.01	259830.34, 4	0.000294887	0.000376214	6.41E-04	4.6E-08	5.9E-08	1.0E-07	4.9E-10	3.7E-08	6.4E-08	5.1E-12	2.3E-08	3.9E-08	6.2E-08
666	R_206	259830.34	4021864.01	259830.34, 4	0.000321182	0.000402529	6.85E-04	5.1E-08	6.3E-08	1.1E-07	5.3E-10	4.0E-08	6.8E-08	5.6E-12	2.5E-08	4.2E-08	6.7E-08
667	R_207	259830.34	4021884.01	259830.34, 4	0.000351239	0.000433535	7.33E-04	5.5E-08	6.8E-08	1.2E-07	5.8E-10	4.3E-08	7.3E-08	6.1E-12	2.7E-08	4.5E-08	7.1E-08
668	R_208	259830.34	4021904.01	259830.34, 4	0.00038578	0.000471181	7.86E-04	6.1E-08	7.4E-08	1.2E-07	6.4E-10	4.7E-08	7.8E-08	6.7E-12	2.9E-08	4.8E-08	7.7E-08
669	R_209	259830.34	4021924.01	259830.34, 4	0.000425716	0.00051827	8.47E-04	6.7E-08	8.2E-08	1.3E-07	7.0E-10	5.1E-08	8.4E-08	7.4E-12	3.2E-08	5.2E-08	8.4E-08
670	R_210	259830.34	4021944.01	259830.34, 4	0.000472239	0.0005794	9.15E-04	7.4E-08	9.1E-08	1.4E-07	7.8E-10	5.7E-08	9.1E-08	8.2E-12	3.5E-08	5.6E-08	9.2E-08
671	R_211	259830.34	4021964.01	259830.34, 4	0.00052688	0.00066313	9.93E-04	8.3E-08	1.0E-07	1.6E-07	8.7E-10	6.6E-08	9.8E-08	9.1E-12	4.1E-08	6.1E-08	1.0E-07
672	R_212	259830.34	4021984.01	259830.34, 4	0.000591564	0.000787325	1.08E-03	9.3E-08	1.2E-07	1.7E-07	9.8E-10	7.8E-08	1.1E-07	1.0E-11	4.8E-08	6.6E-08	1.1E-07
673	R_213	259830.34	4022004.01	259830.34, 4	0.000668901	0.000993175	1.18E-03	1.1E-07	1.6E-07	1.9E-07	1.1E-09	9.8E-08	1.2E-07	1.2E-11	6.1E-08	7.2E-08	1.3E-07
674	R_214	259830.34	4022024.01	259830.34, 4	0.000762398	0.001399073	1.30E-03	1.2E-07	2.2E-07	2.0E-07	1.3E-09	1.4E-07	1.3E-07	1.3E-11	8.6E-08	8.0E-08	1.7E-07
675	R_215	259850.34	4021844.01	259850.34, 4	0.000307035	0.000392934	6.61E-04	4.8E-08	6.2E-08	1.0E-07	5.1E-10	3.9E-08	6.5E-08	5.3E-12	2.4E-08	4.0E-08	6.5E-08
676	R_216	259850.34	4021864.01	259850.34, 4	0.000335319	0.000419866	7.06E-04	5.3E-08	6.6E-08	1.1E-07	5.5E-10	4.2E-08	7.0E-08	5.8E-12	2.6E-08	4.3E-08	6.9E-08
677	R_217	259850.34	4021884.01	259850.34, 4	0.000367795	0.000451524	7.57E-04	5.8E-08	7.1E-08	1.2E-07	6.1E-10	4.5E-08	7.5E-08	6.4E-12	2.8E-08	4.6E-08	7.4E-08
678	R_218	259850.34	4021904.01	259850.34, 4	0.000405287	0.000489936	8.13E-04	6.4E-08	7.7E-08	1.3E-07	6.7E-10	4.9E-08	8.1E-08	7.0E-12	3.0E-08	5.0E-08	8.0E-08
679	R_219	259850.34	4021924.01	259850.34, 4	0.000448883	0.000537792	8.76E-04	7.1E-08	8.5E-08	1.4E-07	7.4E-10	5.3E-08	8.7E-08	7.8E-12	3.3E-08	5.4E-08	8.7E-08
680	R_220	259850.34	4021944.01	259850.34, 4	0.000499965	0.000600057	9.48E-04	7.9E-08	9.5E-08	1.5E-07	8.3E-10	5.9E-08	9.4E-08	8.6E-12	3.7E-08	5.8E-08	9.5E-08
681	R_221	259850.34	4021964.01	259850.34, 4	0.000560343	0.000685244	1.03E-03	8.8E-08	1.1E-07	1.6E-07	9.2E-10	6.8E-08	1.0E-07	9.7E-12	4.2E-08	6.3E-08	1.0E-07
682	R_222	259850.34	4021984.01	259850.34, 4	0.000632373	0.000811757	1.12E-03	1.0E-07	1.3E-07	1.8E-07	1.0E-09	8.0E-08	1.1E-07	1.1E-11	5.0E-08	6.9E-08	1.2E-07
683	R_223	259850.34	4022004.01	259850.34, 4	0.000719171	0.001022411	1.23E-03	1.1E-07	1.6E-07	1.9E-07	1.2E-09	1.0E-07	1.2E-07	1.2E-11	6.3E-08	7.5E-08	1.4E-07
684	R_224	259850.34	4022024.01	259850.34, 4	0.000825181	0.001441112	1.36E-03	1.3E-07	2.3E-07	2.1E-07	1.4E-09	1.4E-07	1.3E-07	1.4E-11	8.8E-08	8.3E-08	1.7E-07
685	R_225	259870.34	4021844.01	259870.34, 4	0.000321107	0.000413485	6.83E-04	5.1E-08	6.5E-08	1.1E-07	5.3E-10	4.1E-08	6.8E-08	5.6E-12	2.5E-08	4.2E-08	6.7E-08
686	R_226	259870.34	4021864.01	259870.34, 4	0.000351696	0.000440937	7.30E-04	5.5E-08	6.9E-08	1.1E-07	5.8E-10	4.4E-08	7.2E-08	6.1E-12	2.7E-08	4.5E-08	7.2E-08
687	R_227	259870.34	4021884.01	259870.34, 4	0.000386997	0.000473285	7.83E-04	6.1E-08	7.5E-08	1.2E-07	6.4E-10	4.7E-08	7.8E-08	6.7E-12	2.9E-08	4.8E-08	7.7E-08
688	R_228	259870.34	4021904.01	259870.34, 4	0.000427947	0.000512431	8.42E-04	6.7E-08	8.1E-08	1.3E-07	7.1E-10	5.1E-08	8.3E-08	7.4E-12	3.1E-08	5.2E-08	8.3E-08
689	R_229	259870.34	4021924.01	259870.34, 4	0.000475824	0.000561391	9.09E-04	7.5E-08	8.8E-08	1.4E-07	7.9E-10	5.6E-08	9.0E-08	8.2E-12	3.4E-08	5.6E-08	9.0E-08
690	R_230	259870.34	4021944.01	259870.34, 4	0.000532263	0.000625315	9.85E-04	8.4E-08	9.9E-08	1.6E-07	8.8E-10	6.2E-08	9.7E-08	9.2E-12	3.8E-08	6.0E-08	9.9E-08
691	R_231	259870.34	4021964.01	259870.34, 4	0.000599468	0.000712679	1.07E-03	9.4E-08	1.1E-07	1.7E-07	9.9E-10	7.1E-08	1.1E-07	1.0E-11	4.4E-08	6.6E-08	1.1E-07
692	R_232	259870.34	4021984.01	259870.34, 4	0.000680325	0.000842421	1.17E-03	1.1E-07	1.3E-07	1.8E-07	1.1E-09	8.3E-08	1.2E-07	1.2E-11	5.2E-08	7.2E-08	1.2E-07
693	R_233	259870.34	4022004.01	259870.34, 4	0.000778825	0.001057466	1.29E-03	1.2E-07	1.7E-07	2.0E-07	1.3E-09	1.0E-07	1.3E-07	1.3E-11	6.5E-08	7.9E-08	1.4E-07
694	R_234	259870.34	4022024.01	259870.34, 4	0.000900374	0.001487842	1.42E-03	1.4E-07	2.3E-07	2.2E-07	1.5E-09	1.5E-07	1.4E-07	1.6E-11	9.1E-08	8.7E-08	1.8E-07
695	R_235	259890.34	4021844.01	259890.34, 4	0.000337738	0.000438935	7.06E-04	5.3E-08	6.9E-08	1.1E-07	5.6E-10	4.3E-08	7.0E-08	5.8E-12	2.7E-08	4.3E-08	7.0E-08
696	R_236	259890.34	4021864.01	259890.34, 4	0.000371063	0.000467239	7.56E-04	5.8E-08	7.4E-08	1.2E-07	6.1E-10	4.6E-08	7.5E-08	6.4E-12	2.9E-08	4.6E-08	7.5E-08
697	R_237	259890.34	4021884.01	259890.34, 4	0.000409707	0.000500294	8.11E-04	6.5E-08	7.9E-08	1.3E-07	6.8E-10	5.0E-08	8.0E-08	7.1E-12	3.1E-08	5.0E-08	8.0E-08
698	R_238	259890.34	4021904.01	259890.34, 4	0.00045476	0.000540632	8.74E-04	7.2E-08	8.5E-08	1.4E-07	7.5E-10	5.4E-08	8.7E-08	7.9E-12	3.3E-08	5.3E-08	8.7E-08
699	R_239	259890.34	4021924.01	259890.34, 4	0.000507767	0.000590877	9.44E-04	8.0E-08	9.3E-08	1.5E-07	8.4E-10	5.9E-08	9.4E-08	8.8E-12	3.6E-08	5.8E-08	9.4E-08
700	R_240	259890.34	4021944.01	259890.34, 4	0.000570728	0.000656263	1.02E-03	9.0E-08	1.0E-07	1.6E-07	9.4E-10	6.5E-08	1.0E-07	9.9E-12	4.0E-08	6.3E-08	1.0E-07
701	R_241	259890.34	4021964.01	259890.34, 4	0.000646317	0.000745731	1.12E-03	1.0E-07	1.2E-07	1.8E-07	1.1E-09	7.4E-08	1.1E-07	1.1E-11	4.6E-08	6.8E-08	1.1E-07
702	R_242	259890.34	4021984.01	259890.34, 4	0.000738079	0.000878516	1.22E-03	1.2E-07	1.4E-07	1.9E-07	1.2E-09	8.7E-08	1.2E-07	1.3E-11	5.4E-08	7.5E-08	1.3E-07
703	R_243	259890.34	4022004.01	259890.34, 4	0.000851054	0.00109953	1.34E-03	1.3E-07	1.7E-07	2.1E-07	1.4E-09	1.1E-07	1.3E-07	1.5E-11	6.7E-08	8.2E-08	1.5E-07
704	R_244	259890.34	4022024.01	259890.34, 4	0.000992157	0.001543868	1.49E-03	1.6E-07	2.4E-07	2.3E-07	1.6E-09	1.5E-07	1.5E-07	1.7E-11	9.4E-08	9.1E-08	1.9E-07
705	R_245	259910.34	4021844.01	259910.34, 4	0.000357535	0.000471884	7.36E-04	5.6E-08	7.4E-08	1.2E-07	5.9E-10	4.7E-08	7.3E-08	6.2E-12	2.9E-08	4.5E-08	7.4E-08
706	R_246	259910.34	4021864.01	259910.34, 4	0.000394127	0.000500774	7.88E-04	6.2E-08	7.9E-08	1.2E-07	6.5E-10	5.0E-08	7.8E-08	6.8E-12	3.1E-08	4.8E-08	7.9E-08
707	R_247	259910.34	4021884.01	259910.34, 4	0.000436761	0.000534798	8.46E-04	6.9E-08	8.4E-08	1.3E-07	7.2E-10	5.3E-08	8.4E-08	7.6E-12	3.3E-08	5.2E-08	8.5E-08
708	R_248	259910.34	4021904.01	259910.34, 4	0.000486779	0.000576159	9.12E-04	7.7E-08	9.1E-08	1.4E-07	8.0E-10	5.7E-08	9.0E-08	8.4E-12	3.5E-08	5.6E-08	9.1E-08
709	R_249	259910.34	4021924.01	259910.34, 4	0.000546029	0.000627719	9.86E-04	8.6E-08	9.9E-08	1.6E-07	9.0E-10	6.2E-08	9.8E-08	9.4E-12	3.8E-08	6.0E-08	9.9E-08
710	R_250	259910.34	4021944.01	259910.34, 4	0.000616944	0.000694639	1.07E-03	9.7E-08	1.1E-07	1.7E-07	1.0E-09	6.9E-08	1.1E-07	1.1E-11	4.3E-08	6.6E-08	1.1E-07
711	R_251	259910.34	4021964.01	259910.34, 4	0.000702753	0.000786453	1.17E-03	1.1E-07	1.2E-07	1.8E-07	1.2E-09	7.8E-08	1.2E-07	1.2E-11	4.8E-08	7.2E-08	1.2E-07
712	R_252	259910.34	4021984.01	259910.34, 4	0.0008079	0.00092258	1.28E-03	1.3E-07	1.5E-07	2.0E-07	1.3E-09	9.1E-08	1.3E-07	1.4E-11	5.6E-08	7.8E-08	1.3E-07
713	R_253	259910.34	4022004.01	259910.34, 4	0.000938681	0.001149622	1.41E-03	1.5E-07	1.8E-07	2.2E-07	1.5E-09	1.1E-07	1.4E-07	1.6E-11	7.0E-08	8.6E-08	1.6E-07

714	R_254	259910.34	4022024.01	259910.34, 4	0.001104024	0.001609186	1.57E-03	1.7E-07	2.5E-07	2.5E-07	1.8E-09	1.6E-07	1.6E-07	1.9E-11	9.8E-08	9.6E-08	1.9E-07
715	R_255	259930.34	4021844.01	259930.34, 4	0.000380966	0.000516162	7.75E-04	6.0E-08	8.1E-08	1.2E-07	6.3E-10	5.1E-08	7.7E-08	6.6E-12	3.2E-08	4.7E-08	7.9E-08
716	R_256	259930.34	4021864.01	259930.34, 4	0.000421447	0.000545724	8.31E-04	6.6E-08	8.6E-08	1.3E-07	7.0E-10	5.4E-08	8.2E-08	7.3E-12	3.3E-08	5.1E-08	8.4E-08
717	R_257	259930.34	4021884.01	259930.34, 4	0.000468868	0.000580665	8.93E-04	7.4E-08	9.1E-08	1.4E-07	7.7E-10	5.7E-08	8.8E-08	8.1E-12	3.6E-08	5.5E-08	9.0E-08
718	R_258	259930.34	4021904.01	259930.34, 4	0.000524863	0.000623038	9.64E-04	8.3E-08	9.8E-08	1.5E-07	8.7E-10	6.2E-08	9.5E-08	9.1E-12	3.8E-08	5.9E-08	9.7E-08
719	R_259	259930.34	4021924.01	259930.34, 4	0.000591636	0.000675837	1.04E-03	9.3E-08	1.1E-07	1.6E-07	9.8E-10	6.7E-08	1.0E-07	1.0E-11	4.1E-08	6.4E-08	1.1E-07
720	R_260	259930.34	4021944.01	259930.34, 4	0.000672087	0.000744413	1.13E-03	1.1E-07	1.2E-07	1.8E-07	1.1E-09	7.4E-08	1.1E-07	1.2E-11	4.6E-08	6.9E-08	1.2E-07
721	R_261	259950.34	4021844.01	259950.34, 4	0.000408336	0.000579398	8.27E-04	6.4E-08	9.1E-08	1.3E-07	6.7E-10	5.7E-08	8.2E-08	7.1E-12	3.5E-08	5.1E-08	8.6E-08
722	R_262	259950.34	4021864.01	259950.34, 4	0.000453426	0.000609596	8.89E-04	7.1E-08	9.6E-08	1.4E-07	7.5E-10	6.0E-08	8.8E-08	7.8E-12	3.7E-08	5.4E-08	9.2E-08
723	R_263	259950.34	4021884.01	259950.34, 4	0.000506508	0.000645358	9.57E-04	8.0E-08	1.0E-07	1.5E-07	8.4E-10	6.4E-08	9.5E-08	8.8E-12	3.9E-08	5.9E-08	9.8E-08
724	R_264	259950.34	4021904.01	259950.34, 4	0.00056957	0.000688775	1.03E-03	9.0E-08	1.1E-07	1.6E-07	9.4E-10	6.8E-08	1.0E-07	9.8E-12	4.2E-08	6.3E-08	1.1E-07
725	R_265	259950.34	4021924.01	259950.34, 4	0.000645221	0.000742705	1.12E-03	1.0E-07	1.2E-07	1.8E-07	1.1E-09	7.4E-08	1.1E-07	1.1E-11	4.5E-08	6.9E-08	1.1E-07
726	R_266	259950.34	4021944.01	259950.34, 4	0.000736943	0.000812812	1.22E-03	1.2E-07	1.3E-07	1.9E-07	1.2E-09	8.0E-08	1.2E-07	1.3E-11	5.0E-08	7.5E-08	1.2E-07
727	R_267	259970.34	4021844.01	259970.34, 4	0.000439707	0.000680713	8.92E-04	6.9E-08	1.1E-07	1.4E-07	7.3E-10	6.7E-08	8.8E-08	7.6E-12	4.2E-08	5.5E-08	9.6E-08
728	R_268	259970.34	4021864.01	259970.34, 4	0.000490155	0.000711086	9.61E-04	7.7E-08	1.1E-07	1.5E-07	8.1E-10	7.0E-08	9.5E-08	8.5E-12	4.4E-08	5.9E-08	1.0E-07
729	R_269	259970.34	4021884.01	259970.34, 4	0.000549822	0.000747294	1.04E-03	8.7E-08	1.2E-07	1.6E-07	9.1E-10	7.4E-08	1.0E-07	9.5E-12	4.6E-08	6.4E-08	1.1E-07
730	R_270	259970.34	4021904.01	259970.34, 4	0.000621027	0.000792198	1.13E-03	9.8E-08	1.2E-07	1.8E-07	1.0E-09	7.8E-08	1.1E-07	1.1E-11	4.8E-08	6.9E-08	1.2E-07
731	R_271	259970.34	4021924.01	259970.34, 4	0.000706847	0.000847121	1.23E-03	1.1E-07	1.3E-07	1.9E-07	1.2E-09	8.4E-08	1.2E-07	1.2E-11	5.2E-08	7.5E-08	1.3E-07
732	R_272	259970.34	4021944.01	259970.34, 4	0.00081136	0.000918493	1.34E-03	1.3E-07	1.4E-07	2.1E-07	1.3E-09	9.1E-08	1.3E-07	1.4E-11	5.6E-08	8.2E-08	1.4E-07
733	R_273	259990.34	4021844.01	259990.34, 4	0.000474992	0.000875648	9.63E-04	7.5E-08	1.4E-07	1.5E-07	7.8E-10	8.7E-08	9.5E-08	8.2E-12	5.4E-08	5.9E-08	1.1E-07
734	R_274	259990.34	4021864.01	259990.34, 4	0.000531455	0.000903384	1.04E-03	8.4E-08	1.4E-07	1.6E-07	8.8E-10	8.9E-08	1.0E-07	9.2E-12	5.5E-08	6.4E-08	1.2E-07
735	R_275	259990.34	4021884.01	259990.34, 4	0.000598481	0.000937915	1.13E-03	9.4E-08	1.5E-07	1.8E-07	9.9E-10	9.3E-08	1.1E-07	1.0E-11	5.7E-08	6.9E-08	1.3E-07
736	R_276	259990.34	4021904.01	259990.34, 4	0.000678538	0.000985139	1.23E-03	1.1E-07	1.6E-07	1.9E-07	1.1E-09	9.8E-08	1.2E-07	1.2E-11	6.0E-08	7.5E-08	1.4E-07
737	R_277	259990.34	4021924.01	259990.34, 4	0.000775502	0.001039942	1.34E-03	1.2E-07	1.6E-07	2.1E-07	1.3E-09	1.0E-07	1.3E-07	1.3E-11	6.4E-08	8.2E-08	1.5E-07
738	R_278	259990.34	4021944.01	259990.34, 4	0.000893971	0.001110639	1.48E-03	1.4E-07	1.7E-07	2.3E-07	1.5E-09	1.1E-07	1.5E-07	1.5E-11	6.8E-08	9.0E-08	1.6E-07
739	R_279	260122.8	4022046.18	260122.8, 4(	0.002531228	0.001605817	6.31E-03	4.0E-07	2.5E-07	9.9E-07	4.2E-09	1.6E-07	6.2E-07	4.4E-11	9.8E-08	3.9E-07	4.8E-07
740	R_280	260142.8	4022066.18	260142.8, 4(	0.002605931	0.001495642	8.25E-03	4.1E-07	2.4E-07	1.3E-06	4.3E-09	1.5E-07	8.2E-07	4.5E-11	9.2E-08	5.0E-07	6.0E-07
741	R_281	260142.8	4022086.18	260142.8, 4(	0.002823754	0.001346422	9.70E-03	4.4E-07	2.1E-07	1.5E-06	4.7E-09	1.3E-07	9.6E-07	4.9E-11	8.2E-08	5.9E-07	6.8E-07
742	R_282	260142.8	4022106.18	260142.8, 4(	0.003022037	0.001267986	1.12E-02	4.8E-07	2.0E-07	1.8E-06	5.0E-09	1.3E-07	1.1E-06	5.2E-11	7.8E-08	6.9E-07	7.7E-07
743	R_283	260142.8	4022126.18	260142.8, 4(	0.003185536	0.001211785	1.27E-02	5.0E-07	1.9E-07	2.0E-06	5.3E-09	1.2E-07	1.3E-06	5.5E-11	7.4E-08	7.8E-07	8.5E-07
744	R_284	260142.8	4022146.18	260142.8, 4(	0.00330076	0.001159092	1.39E-02	5.2E-07	1.8E-07	2.2E-06	5.4E-09	1.1E-07	1.4E-06	5.7E-11	7.1E-08	8.5E-07	9.2E-07
745	R_285	260142.8	4022166.18	260142.8, 4(	0.003357271	0.001103006	1.45E-02	5.3E-07	1.7E-07	2.3E-06	5.5E-09	1.1E-07	1.4E-06	5.8E-11	6.8E-08	8.9E-07	9.5E-07
746	R_286	260162.8	4022066.18	260162.8, 4(	0.00236424	0.001398034	8.45E-03	3.7E-07	2.2E-07	1.3E-06	3.9E-09	1.4E-07	8.4E-07	4.1E-11	8.6E-08	5.2E-07	6.0E-07
747	R_287	260162.8	4022086.18	260162.8, 4(	0.002512317	0.001239381	9.58E-03	4.0E-07	2.0E-07	1.5E-06	4.1E-09	1.2E-07	9.5E-07	4.3E-11	7.6E-08	5.9E-07	6.6E-07
748	R_288	260162.8	4022106.18	260162.8, 4(	0.002633252	0.001150216	1.06E-02	4.1E-07	1.8E-07	1.7E-06	4.3E-09	1.1E-07	1.1E-06	4.6E-11	7.0E-08	6.5E-07	7.2E-07
749	R_289	260162.8	4022126.18	260162.8, 4(	0.00271728	0.001084356	1.14E-02	4.3E-07	1.7E-07	1.8E-06	4.5E-09	1.1E-07	1.1E-06	4.7E-11	6.6E-08	7.0E-07	7.7E-07
750	R_290	260162.8	4022146.18	260162.8, 4(	0.002758902	0.001026365	1.18E-02	4.3E-07	1.6E-07	1.9E-06	4.6E-09	1.0E-07	1.2E-06	4.8E-11	6.3E-08	7.2E-07	7.9E-07
751	R_291	260162.8	4022166.18	260162.8, 4(	0.002756278	0.000970079	1.18E-02	4.3E-07	1.5E-07	1.9E-06	4.5E-09	9.6E-08	1.2E-06	4.8E-11	5.9E-08	7.2E-07	7.8E-07
752	R_292	260182.8	4022066.18	260182.8, 4(	0.002119473	0.001306914	8.26E-03	3.3E-07	2.1E-07	1.3E-06	3.5E-09	1.3E-07	8.2E-07	3.7E-11	8.0E-08	5.1E-07	5.9E-07
753	R_293	260182.8	4022086.18	260182.8, 4(	0.002213456	0.00114271	9.01E-03	3.5E-07	1.8E-07	1.4E-06	3.7E-09	1.1E-07	8.9E-07	3.8E-11	7.0E-08	5.5E-07	6.2E-07
754	R_294	260182.8	4022106.18	260182.8, 4(	0.002281254	0.001047686	9.59E-03	3.6E-07	1.7E-07	1.5E-06	3.8E-09	1.0E-07	9.5E-07	3.9E-11	6.4E-08	5.9E-07	6.5E-07
755	R_295	260182.8	4022126.18	260182.8, 4(	0.002317345	0.00097796	9.89E-03	3.7E-07	1.5E-07	1.6E-06	3.8E-09	9.7E-08	9.8E-07	4.0E-11	6.0E-08	6.1E-07	6.7E-07
756	R_296	260182.8	4022146.18	260182.8, 4(	0.002316813	0.000918336	9.84E-03	3.6E-07	1.4E-07	1.5E-06	3.8E-09	9.1E-08	9.7E-07	4.0E-11	5.6E-08	6.0E-07	6.6E-07
757	R_297	260182.8	4022166.18	260182.8, 4(	0.002282642	0.000863759	9.43E-03	3.6E-07	1.4E-07	1.5E-06	3.8E-09	8.6E-08	9.3E-07	3.9E-11	5.3E-08	5.8E-07	6.3E-07
758	R_298	260202.8	4022066.18	260202.8, 4(	0.001886666	0.001223323	7.76E-03	3.0E-07	1.9E-07	1.2E-06	3.1E-09	1.2E-07	7.7E-07	3.3E-11	7.5E-08	4.7E-07	5.5E-07
759	R_299	260202.8	4022086.18	260202.8, 4(	0.001935277	0.001056249	8.18E-03	3.0E-07	1.7E-07	1.3E-06	3.2E-09	1.0E-07	8.1E-07	3.3E-11	6.5E-08	5.0E-07	5.7E-07
760	R_300	260202.8	4022106.18	260202.8, 4(	0.001963578	0.000958657	8.39E-03	3.1E-07	1.5E-07	1.3E-06	3.2E-09	9.5E-08	8.3E-07	3.4E-11	5.9E-08	5.1E-07	5.7E-07
761	R_301	260202.8	4022126.18	260202.8, 4(	0.00196731	0.000887937	8.36E-03	3.1E-07	1.4E-07	1.3E-06	3.2E-09	8.8E-08	8.3E-07	3.4E-11	5.4E-08	5.1E-07	5.7E-07
762	R_302	260202.8	4022146.18	260202.8, 4(	0.001944801	0.000829322	8.07E-03	3.1E-07	1.3E-07	1.3E-06	3.2E-09	8.2E-08	8.0E-07	3.4E-11	5.1E-08	4.9E-07	5.4E-07
763	R_303	260202.8	4022166.18	260202.8, 4(	0.001899429	0.000777898	7.57E-03	3.0E-07	1.2E-07	1.2E-06	3.1E-09	7.7E-08	7.5E-07	3.3E-11	4.8E-08	4.6E-07	5.1E-07
764	W_1	260095.45	4022187.01	260095.45, 4	0.00569182	0.001523449	2.36E-02	9.0E-07	2.4E-07	3.7E-06	9.4E-09	1.5E-07	2.3E-06	9.8E-11	9.3E-08	1.4E-06	1.5E-06
765	W_2	260095.45	4022207.01	260095.45, 4	0.005828683	0.001445473	2.60E-02	9.2E-07	2.3E-07	4.1E-06	9.6E-09	1.4E-07	2.6E-06	1.0E-10	8.8E-08	1.6E-06	1.7E-06
766	W_3	260095.45	4022227.01	260095.45, 4	0.005789444	0.001353368	2.62E-02	9.1E-07	2.1E-07	4.1E-06	9.6E-09	1.3E-07	2.6E-06	1.0E-10	8.3E-08	1.6E-06	1.7E-06
767	W_4	260095.45	4022247.01	260095.45, 4	0.005589964	0.001264507	2.41E-02	8.8E-07	2.0E-07	3.8E-06	9.2E-09	1.3E-07	2.4E-06	9.7E-11	7.7E-08	1.5E-06	1.6E-06
768	W_5	260095.45	4022267.01	260095.45, 4	0.00526109	0.001189804	2.05E-02	8.3E-07	1.9E-07	3.2E-06	8.7E-09	1.2E-07	2.0E-06	9.1E-11	7.3E-08	1.3E-06	1.3E-06
769	W_6	260115.45	4022187.01	260115.45, 4	0.004532058	0.001278644	1.98E-02	7.1E-07	2.0E-07	3.1E-06	7.5E-09	1.3E-07	2.0E-06	7.8E-11	7.8E-08	1.2E-06	1.3E-06
770	W_7	260115.45	4022207.01	260115.45, 4	0.004524222	0.001205019	1.99E-02	7.1E-07	1.9E-07	3.1E-06	7.5E-09	1.2E-07	2.0E-06	7.8E-11	7.4E-08	1.2E-06	1.3E-06
771	W_8	260115.45	4022227.01	260115.45, 4	0.004405231	0.001129319	1.87E-02	6.9E-07	1.8E-07	2.9E-06	7.3E-09	1.1E-07	1.9E-06	7.6E-11	6.9E-08	1.1E-06	1.2E-06
772	W_9	260115.45	4022247.01	260115.45, 4	0.004191206	0.001060972	1.64E-02	6.6E-07	1.7E-07	2.6E-06	6.9E-09	1.1E-07	1.6E-06	7.2E-11	6.5E-08	1.0E-06	1.1E-06
773	W_10	260115.45	4022267.01	260115.45, 4	0.003904064	0.001004577	1.40E-02	6.2E-07	1.6E-07	2.2E-06	6.4E-09	9.9E-08	1.4E-06	6.7E-11	6.1E-08	8.6E-07	9.2E-07
774	W_11	260135.45	4022187.01	260135.45, 4	0.003626902	0.001095846	1.57E-02	5.7E-07	1.7E-07	2.5E-06	6.0E-09	1.1E-07	1.6E-06	6.3E-11	6.7E-08	9.6E-07	1.0E-06
775	W_12	260135.45	4022207.01	260135.45, 4	0.003554672	0.001031212	1.49E-02	5.6E-07	1.6E-07	2.4E-06	5.9E-09	1.0E-07	1.5E-06	6.1E-11	6.3E-08	9.1E-07	9.8E-07
776	W_13	260135.45	4022227.01	260135.45, 4	0.003413863	0.000969898	1.35E-02	5.4E-07	1.5E-07	2.1E-06	5.6E-09	9.6E-08	1.3E-06	5.9E-11	5.9E-08	8.2E-07	8.8E-07
777	W_14	260135.45	4022247.01	260135.45, 4	0.003217311	0.000916111	1.17E-02	5.1E-07	1.4E-07	1.9E-06	5.3E-09	9.1E-08	1.2E-06	5.6E-11	5.6E-08	7.2E-07	7.7E-07
778	W_15	260135.45	4022267.01	260135.45, 4	0.002979639	0.000870795	1.02E-02	4.7E-07	1.4E-07	1.6E-06	4.9E-09	8.6E-08	1.0E-06	5.2E-11	5.3E-08	6.2E-07	6.8E-07
779	W_16	260155.45	4022187.01	260155.45, 4	0.002919744	0.000955464	1.22E-02	4.6E-07	1.5E-07	1.9E-06	4.8E-09	9.5E-08	1.2E-06	5.0E-11	5.8E-08	7.5E-07	8.1E-07
780	W_17	260155.45	4022207.01	260155.45, 4	0.002824506	0.0008999	1.12E-02	4.4E-07	1.4E-07	1.8E-06	4.7E-09	8.9E-08	1.1E-06	4.9E-11	5.5E-08	6.9E-07	7.4E-07
781	W_18	260155.45	4022227.01	260155.45, 4	0.002687995	0.000849557	9.99E-03	4.2E-07	1.3E-07	1.6E-06	4.4E-09	8.4E-08	9.9E-07	4.6E-11	5.2E-08	6.1E-07	6.6E-07
782	W_19	260155.45	4022247.01	260155.45, 4	0.002520022	0.000805857	8.78E-03	4.0E-07	1.3E-07	1.4E-06	4.2E-09	8.0E-08	8.7E-07	4.4E-11	4.9E-08	5.4E-07	5.9E-07
783	W_20	260155.45	4022267.01	260155.45, 4	0.002331209	0.000768027	7.79E-03	3.7E-07	1.2E-07	1.2E-06	3.8E-09	7.6E-08	7.7E-07	4.0E-11	4.7E-08	4.8E-07	5.2E-07
784	W_21	260175.45	4022187.01	260175.45, 4	0.002379046	0.000845709	9.53E-03	3.7E-07	1.3E-07	1.5E-06	3.9E-09	8.4E-08	9.4E-07	4.1E-11	5.2E-08	5.8E-07	6.3E-07
785	W_22	260175.45	4022207.01	260175.45, 4	0.002279535	0.000797941	8.62E-03	3.6E-07	1.3E-07	1.4E-06	3.8E-09	7.9E-08	8.5E-07	3.9E-11	4.9E-08	5.3E-07	5.8E-07
786	W_23	260175.45	4022227.01	260175.45, 4	0.002155924	0.000755455	7.67E-03	3.4E-07	1.2E-07	1.2E-06	3.6E-09	7.5E-08	7.6E-07	3.7E-11	4.6E-08	4.7E-07	5.2E-07
787	W_24	260175.45	4022247.01	260175.45, 4	0.002015696	0.000718402	6.84E-03	3.2E-07	1.1E-07	1.1E-06	3.3E-09	7.1E-08	6.8E-07	3.5E-11	4.4E-08	4.2E-07	4.6E-07
788	W_25	260175.45	4022267.01	260175.45, 4	0.001864321	0.000685824	6.19E-03	2.9E-07	1.1E-07	9.7E-07	3.1E-09	6.8E-08	6.1E-07	3.2E-11	4.2E-08	3.8E-07	4.2E-07
789	W_26	260195.45	4022187.01	260195.45, 4	0.001958665	0.000758252	7.51E-03	3.1E-07	1.2E-07	1.2E-06	3.2E-09	7.5E-08	7.4E-07	3.4E-11	4.6E-08	4.6E-07	5.1E-07
790	W_27	260195.45	4022207.01	260195.45, 4	0.001864565	0.000716486	6.77E-03	2.9E-07	1.1E-07	1.1E-06	3.1E-09	7.1E-08	6.7E-07	3.2E-11	4.4E-08	4.1E-07	4.6E-07
791	W_28	260195.45	4022227.01	260195.45, 4	0.00175698	0.000679739	6.07E-03	2.8E-07	1.1E-07	9.6E-07	2.9E-09	6.7E-08	6.0E-07	3.0E-11	4.2E-08	3.7E-07	4.1E-07
792	W_29	260195.45	4022247.01	260195.45, 4	0.00164119	0.000647419	5.50E-03	2.6E-07	1.0E-07	8.7E-07	2.7E-09	6.4E-08	5.4E-07	2.8E-11	4.0E-08	3.4E-07	3.8E-07
793	W_30	260195.45	4022267.01	260195.45, 4	0.001519954	0.00061851	5.06E-03	2.4E-07	9.7E-08	8.0E-07	2.5E-09	6.1E-08	5.0E-07	2.6E-11	3.8E-08	3.1E-07	3.5E-07
794	W_31	260063.43	4022072.23	260063.43, 4	0.003339024	0.001995553	5.34E-03	5.3E-07	3.1E-07	8.4E-07	5.5E-09	2.0E-07	5.3E-07	5.8E-11	1.2E-07	3.3E-07	4.5E-07
795	W_32	260063.43	4022092.23	260063.43, 4	0.003956059	0.00195068	6.63E-03	6.2E-07	3.1E-07	1.0E-06	6.5E-09	1.9E-07	6.6E-07	6.8E-11	1.2E-07	4.1E-07	5.3E-07
796	W_33	260063.43	4022112.23	260063.43, 4	0.00468814	0.001980155	8.44E-03	7.4E-07	3.1E-07	1.3E-06	7.7E-09	2.0E-07	8.4E-07	8.1E-11	1.2E-07	5.2E-07	6.4E-07
797	W_34	260083.43	4022072.23	260083.43, 4	0.003270026	0.001792707	6.27E-03	5.2E-07	2.8E-07	9.9E-07	5.4E-09	1.8E-07	6.2E-07	5.7E-11	1.1E-07	3.8E-07	4.9E-07
798	W_35	260083.43	4022092.23	260083.43, 4	0.003787927	0.001729838	7.85E-03	6.0E-07	2.7E-07	1.2E-06	6.3E-09	1.7E-07	7.8E-07	6.5E-11	1.1E-07	4.8E-07	5.9E-07
799	W_36	260083.43	4022112.23	260083.43, 4	0.004369829	0.00173003	1.00E-02	6.9E-07	2.7E-07	1.6E-06	7.2E-09	1.7E-07	9.9E-07	7.6E-11	1.1E-07	6.1E-07	7.2E-07
800	W_37	260103.43	4022072.23	260103.43, 4	0.003120258	0.001655047	7.27E-03	4.9E-07	2.6E-07	1.1E-06	5.1E-09	1.6E-07	7.2E-07	5.4E-11	1.0E-07	4.5E-07	5.5E-07
801	W_38	260103.43	4022092.23	260103.43, 4	0.003527155	0.001571812	9.03E-03	5.6E-07	2.5E-07	1.4E-06	5.8E-09	1.6E-07	8.9E-07	6.1E-11	9.6E-08	5.5E-07	6.5E-07
802	W_39	260103.43	4022112.23	260103.43, 4	0.003958024	0.00154458	1.13E-02	6.2E-07	2.4E-07	1.8E-06	6.5E-09	1.5E-07	1.1E-06	6.8E-11	9.5E-08	6.9E-07	7.9E-07
803	R_304	260243.42	4022062.81	260243.42, 4	0.001467641	0.001118169	6.28E-03	2.3E-07	1.8E-07	9.9E-07	2.4E-09	1.1E-07	6.2E-07	2.5E-11	6.8E-08	3.8E-07	4.5E-07
804	R_305	260243.42	4022082.81	260243.42, 4	0.001476231	0.000934225	6.28E-03	2.3E-07	1.5E-07	9.9E-07	2.4E-09	9.3E-08	6.2E-07	2.6E-11	5.7E-08	3.8E-07	4.4E-07
805	R_306	260243.42	4022102.81	260243.42, 4	0.001468685	0.000829436	6.14E-03	2.3E-07	1.3E-07	9.7E-07	2.4E-09	8.2E-08	6.1E-07	2.5E-11	5.1E-08	3.8E-07	4.3E-07
806	R_307	260243.42	4022122.81	260243.42, 4	0.001445231	0.00075687	5.87E-03	2.3E-07	1.2E-07	9.3E-07	2.4E-09	7.5E-08	5.8E-07	2.5E-11	4.6E-08	3.6E-07	4.1E-07
807	R_308	260243.42	4022142.81	260243.42, 4	0.001407514	0.000700626	5.51E-03	2.2E-07	1.1E-07	8.7E-07	2.3E-09	6.9E-08	5.5E-07	2.4E-11	4.3E-08	3.4E-07	3.8E-07
808	R_309	260243.42	4022162.81	260243.42, 4	0.001357357	0.000654467	5.08E-03	2.1E-07	1.0E-07	8.0E-07	2.2E-09	6.5E-08	5.0E-07	2.3E-11	4.0E-08	3.1E-07	3.5E-07
809	R_310	260243.42	4022182.81	260243.42, 4	0.001296493	0.000615167	4.65E-03	2.0E-07	9.7E-08	7.3E-07	2.1E-09	6.1E-08	4.6E-07	2.2E-11	3.8E-08	2.8E-07	3.2E-07
810	R_311	260243.42	4022202.81	260243.42, 4	0.001227872	0.000581426	4.25E-03	1.9E-07	9.2E-08	6.7E-07	2.0E-09	5.8E-08	4.2E-07	2.1E-11	3.6E-08	2.6E-07	3.0E-07
811	R_312	260243.42	4022222.81	260243.42, 4	0.001155016	0.000552196	3.91E-03	1.8E-07	8.7E-08	6.2E-07	1.9E-09	5.5E-08	3.9E-07	2.0E-11	3.4E-08	2.4E-07	2.7E-07
812	R_313	260243.42	4022242.81	260243.42, 4	0.001081063	0.000526546	3.65E-03	1.7E-07	8.3E-08	5.7E-07	1.8E-09	5.2E-08	3.6E-07	1.9E-11	3.2E-08	2.2E-07	2.6E-07
813	R_314	260243.42	4022262.81	260243.42, 4	0.001008548	0.000503413	3.44E-03	1.6E-07	7.9E-08	5.4E-07	1.7E-09	5.0E-08	3.4E-07	1.7E-11	3.1E-08	2.1E-07	2.4E-07
814	R_315	260243.42	4022282.81	260243.42, 4	0.000939269	0.000482119	3.25E-03	1.5E-07	7.6E-08	5.1E-07	1.6E-09	4.8E-08	3.2E-07	1.6E-11	3.0E-08	2.0E-07	2.3E-07
815	R_316	260243.42	4022302.81	260243.42, 4	0.000874102	0.000463107	3.05E-03	1.4E-07	7.3E-08	4.8E-07	1.4E-09	4.6E-08	3.0E-07	1.5E-11	2.8E-08	1.9E-07	2.2E-07
816	R_317	260243.42	4022322.81	260243.42, 4	0.00081306	0.0004464	2.86E-03	1.3E-07	7.0E-08	4.5E-07	1.3E-09	4.4E-08	2.8E-07	1.4E-11	2.7E-08	1.8E-07	2.0E-07
817	R_318	260243.42	4022342.81	260243.42, 4	0.000756107	0.000432891	2.72E-03	1.2E-07	6.8E-08	4.3E-07	1.2E-09	4.3E-08	2.7E-07	1.3E-11	2.6E-08	1.7E-07	1.9E-07
818	R_319	260243.42	4022362.81	260243.42, 4	0.000703675	0.000422982	2.61E-03	1.1E-07	6.7E-08	4.1E-07	1.2E-09	4.2E-08	2.6E-07	1.2E-11	2.6E-08	1.6E-07	1.9E-07
819	R_320	260243.42	4022382.81	260243.42, 4	0.000655397	0.000416741	2.52E-03	1.0E-07	6.6E-08	4.0E-07	1.1E-09	4.1E-08	2.5E-07	1.1E-11	2.6E-08	1.5E-07	1.8E-07
820	R_321	260243.42	4022402.81	260243.42, 4	0.000611452	0.000413494	2.39E-03	9.6E-08	6.5E-08	3.8E-07	1.0E-09	4.1E-08	2.4E-07	1.1E-11	2.5E-08	1.5E-07	1.7E-07
821	R_322	260243.42	4022422.81	260243.42, 4	0.000572181	0.000413014	2.22E-03	9.0E-08	6.5E-08	3.5E-07	9.4E-10	4.1E-08	2.2E-07	9.9E-12	2.5E-08	1.4E-07	1.6E-07
822	R_323	260263.42	4022362.81	260263.42, 4	0.000617617	0.000394284	2.31E-03	9.7E-08	6.2E-08	3.6E-07	1.0E-09	3.9E-08	2.3E-07	1.1E-11	2.4E-08	1.4E-07	1.7E-07
823	R_324	260263.42	4022382.81	260263.42, 4	0.000578361	0.000388848	2.24E-03	9.1E-08	6.1E-08	3.5E-07	9.5E-10	3.9E-08	2.2E-07	1.0E-11	2.4E-08	1.4E-07	1.6E-07
824	R_325	260263.42	4022402.81	260263.42, 4	0.000542261	0.00038634	2.14E-03	8.5E-08	6.1E-08	3.4E-07	8.9E-10	3.8E-08	2.1E-07	9.4E-12	2.4E-08	1.3E-07	1.5E-07
825	R_326	260263.42	4022422.81	260263.42, 4	0.000509164	0.000386173	2.01E-03	8.0E-08	6.1E-08	3.2E-07	8.4E-10	3.8E-08	2.0E-07	8.8E-12	2.4E-08	1.2E-07	1.5E-07

Residential DOSEair =	**(Cair*(BR/BW)*A*EF*10^{-6})**	
A	1	Inhalation absorption factor[1]
EF	0.68	Exposure frequency (250/year)[2]
WAF	1	Worker Adjustment Factor[10]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk =	**DOSEair * CPF * ASF * ED/AT * FAH**	
CPF	1.1	Cancer Potency Factor for DPM[4]
AT	70	Averaging Time[5]

Age	**BR/BW**	**ASF**	**FAH**	**ED (Const)**	**ED (Ops)**
Worker	230	1	1	0.666667	40
Worker (Combined)	230	1	1	0.666667	39.33333

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for DPM, OEHHA 2015, Table 7.1, page 7-5
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Student Risk

Discrete Receptor ID				Concentration [ug/m^3]			Student Dose			Student Risk			Student Risk (Combined)			
	X	Y	X, Y	Construction Total	Operations (DPM) Total	Operations (Benzene) Total	Construction	Operations (DPM)	Operations (Benzene)	Construction	Operations (DPM)	Operations (Benzene)	Construction	Operations (DPM)	Operations (Benzene)	Total Combined Risk
1	BKGN	259429.52	4021822.74	259429.52, 4	0.000130728	0.000230205	3.77E-04	7.7E-08	1.4E-07	2.2E-07	2.4E-09	3.2E-08	5.3E-08	2.4E-09	2.8E-08	4.6E-08	7.6E-08
2	BKGN	259488.16	4021822.74	259488.16, 4	0.000143521	0.000240559	3.96E-04	8.5E-08	1.4E-07	2.3E-07	2.7E-09	3.4E-08	5.5E-08	2.7E-09	2.9E-08	4.8E-08	8.0E-08
3	BKGN	259546.8	4021822.74	259546.8, 40	0.000159619	0.000251671	4.18E-04	9.4E-08	1.5E-07	2.5E-07	3.0E-09	3.5E-08	5.8E-08	3.0E-09	3.0E-08	5.1E-08	8.4E-08
4	BKGN	259605.44	4021822.74	259605.44, 4	0.000178783	0.000264035	4.48E-04	1.1E-07	1.6E-07	2.7E-07	3.3E-09	3.7E-08	6.2E-08	3.3E-09	3.2E-08	5.4E-08	8.9E-08
5	BKGN	259664.08	4021822.74	259664.08, 4	0.000200531	0.000278887	4.86E-04	1.2E-07	1.7E-07	2.9E-07	3.7E-09	3.9E-08	6.8E-08	3.7E-09	3.4E-08	5.9E-08	9.6E-08
6	BKGN	259722.72	4021822.74	259722.72, 4	0.000224243	0.000297587	5.26E-04	1.3E-07	1.8E-07	3.1E-07	4.2E-09	4.2E-08	7.3E-08	4.2E-09	3.6E-08	6.4E-08	1.0E-07
7	BKGN	259781.36	4021822.74	259781.36, 4	0.000248602	0.00032234	5.62E-04	1.5E-07	1.9E-07	3.3E-07	4.6E-09	4.5E-08	7.8E-08	4.6E-09	3.9E-08	6.8E-08	1.1E-07
8	BKGN	259840	4021822.74	259840, 402	0.000275229	0.000359482	6.09E-04	1.6E-07	2.1E-07	3.6E-07	5.1E-09	5.0E-08	8.5E-08	5.1E-09	4.3E-08	7.4E-08	1.2E-07
9	BKGN	259898.64	4021822.74	259898.64, 4	0.000313786	0.000425264	6.69E-04	1.9E-07	2.5E-07	4.0E-07	5.8E-09	5.9E-08	9.3E-08	5.8E-09	5.1E-08	8.1E-08	1.4E-07
10	BKGN	259957.28	4021822.74	259957.28, 4	0.000376367	0.00058132	7.88E-04	2.2E-07	3.4E-07	4.7E-07	7.0E-09	8.1E-08	1.1E-07	7.0E-09	7.0E-08	9.5E-08	1.7E-07
11	BKGN	260015.92	4021822.74	260015.92, 4	0.000466099	0.000835655	9.72E-04	2.8E-07	4.9E-07	5.8E-07	8.7E-09	1.2E-07	1.4E-07	8.7E-09	1.0E-07	1.2E-07	2.3E-07
12	BKGN	260074.56	4021822.74	260074.56, 4	0.000575767	0.00092243	1.16E-03	3.4E-07	5.5E-07	6.9E-07	1.1E-08	1.3E-07	1.6E-07	1.1E-08	1.1E-07	1.4E-07	2.6E-07
13	BKGN	260133.2	4021822.74	260133.2, 40	0.000681395	0.000693824	1.41E-03	4.0E-07	4.1E-07	8.4E-07	1.3E-08	9.7E-08	2.0E-07	1.3E-08	8.4E-08	1.7E-07	2.7E-07
14	BKGN	260191.84	4021822.74	260191.84, 4	0.000747893	0.000631795	1.79E-03	4.4E-07	3.7E-07	1.1E-06	1.4E-08	8.8E-08	2.5E-07	1.4E-08	7.6E-08	2.2E-07	3.1E-07
15	BKGN	260250.48	4021822.74	260250.48, 4	0.00075302	0.000598795	2.27E-03	4.5E-07	3.5E-07	1.3E-06	1.4E-08	8.4E-08	3.2E-07	1.4E-08	7.2E-08	2.7E-07	3.6E-07
16	BKGN	260309.12	4021822.74	260309.12, 4	0.000702485	0.000561821	2.62E-03	4.2E-07	3.3E-07	1.6E-06	1.3E-08	7.8E-08	3.7E-07	1.3E-08	6.8E-08	3.2E-07	4.0E-07
17	BKGN	260367.76	4021822.74	260367.76, 4	0.000619965	0.000518151	2.65E-03	3.7E-07	3.1E-07	1.6E-06	1.2E-08	7.2E-08	3.7E-07	1.2E-08	6.3E-08	3.2E-07	4.0E-07
18	BKGN	260426.4	4021822.74	260426.4, 40	0.00052808	0.000473027	2.41E-03	3.1E-07	2.8E-07	1.4E-06	9.8E-09	6.6E-08	3.4E-07	9.8E-09	5.7E-08	2.9E-07	3.6E-07
19	BKGN	260485.04	4021822.74	260485.04, 4	0.00044075	0.000430589	2.05E-03	2.6E-07	2.5E-07	1.2E-06	8.2E-09	6.0E-08	2.9E-07	8.2E-09	5.2E-08	2.5E-07	3.1E-07
20	BKGN	260543.68	4021822.74	260543.68, 4	0.000364119	0.000393707	1.66E-03	2.2E-07	2.3E-07	9.9E-07	6.8E-09	5.5E-08	2.3E-07	6.8E-09	4.8E-08	2.0E-07	2.6E-07
21	BKGN	260602.32	4021822.74	260602.32, 4	0.00029995	0.000363183	1.33E-03	1.8E-07	2.1E-07	7.9E-07	5.6E-09	5.1E-08	1.9E-07	5.6E-09	4.4E-08	1.6E-07	2.1E-07
22	BKGN	259429.52	4021866.26	259429.52, 4	0.000145789	0.000271628	4.21E-04	8.6E-08	1.6E-07	2.5E-07	2.7E-09	3.8E-08	5.9E-08	2.7E-09	3.3E-08	5.1E-08	8.6E-08
23	BKGN	259488.16	4021866.26	259488.16, 4	0.000160368	0.000283091	4.44E-04	9.5E-08	1.7E-07	2.6E-07	3.0E-09	3.9E-08	6.2E-08	3.0E-09	3.4E-08	5.4E-08	9.1E-08
24	BKGN	259546.8	4021866.26	259546.8, 40	0.000179063	0.000295357	4.70E-04	1.1E-07	1.7E-07	2.8E-07	3.3E-09	4.1E-08	6.6E-08	3.3E-09	3.6E-08	5.7E-08	9.6E-08
25	BKGN	259605.44	4021866.26	259605.44, 4	0.000202369	0.000309179	5.02E-04	1.2E-07	1.8E-07	3.0E-07	3.8E-09	4.3E-08	7.0E-08	3.8E-09	3.7E-08	6.1E-08	1.0E-07
26	BKGN	259664.08	4021866.26	259664.08, 4	0.000229956	0.000325825	5.45E-04	1.4E-07	1.9E-07	3.2E-07	4.3E-09	4.5E-08	7.6E-08	4.3E-09	3.9E-08	6.6E-08	1.1E-07
27	BKGN	259722.72	4021866.26	259722.72, 4	0.000261128	0.000346529	5.97E-04	1.5E-07	2.1E-07	3.5E-07	4.9E-09	4.8E-08	8.3E-08	4.9E-09	4.2E-08	7.2E-08	1.2E-07
28	BKGN	259781.36	4021866.26	259781.36, 4	0.00029429	0.000373621	6.44E-04	1.7E-07	2.2E-07	3.8E-07	5.5E-09	5.2E-08	9.0E-08	5.5E-09	4.5E-08	7.8E-08	1.3E-07
29	BKGN	259840	4021866.26	259840, 402	0.000331075	0.000413745	7.00E-04	2.0E-07	2.4E-07	4.1E-07	6.2E-09	5.8E-08	9.8E-08	6.2E-09	5.0E-08	8.5E-08	1.4E-07
30	BKGN	259898.64	4021866.26	259898.64, 4	0.000384388	0.000483465	7.74E-04	2.3E-07	2.9E-07	4.6E-07	7.1E-09	6.7E-08	1.1E-07	7.1E-09	5.8E-08	9.4E-08	1.6E-07
31	BKGN	259957.28	4021866.26	259957.28, 4	0.000471398	0.000642795	9.20E-04	2.8E-07	3.8E-07	5.4E-07	8.8E-09	9.0E-08	1.3E-07	8.8E-09	7.8E-08	1.1E-07	2.0E-07
32	BKGN	260015.92	4021866.26	260015.92, 4	0.000597832	0.000910075	1.16E-03	3.5E-07	5.4E-07	6.8E-07	1.1E-08	1.3E-07	1.6E-07	1.1E-08	1.1E-07	1.4E-07	2.6E-07
33	BKGN	260074.56	4021866.26	260074.56, 4	0.00074372	0.001015189	1.41E-03	4.4E-07	6.0E-07	8.3E-07	1.4E-08	1.4E-07	2.0E-07	1.4E-08	1.2E-07	1.7E-07	3.1E-07
34	BKGN	260133.2	4021866.26	260133.2, 40	0.000867461	0.000791784	1.76E-03	5.1E-07	4.7E-07	1.0E-06	1.6E-08	1.1E-07	2.5E-07	1.6E-08	9.6E-08	2.1E-07	3.2E-07
35	BKGN	260191.84	4021866.26	260191.84, 4	0.000920197	0.000728749	2.30E-03	5.4E-07	4.3E-07	1.4E-06	1.7E-08	1.0E-07	3.2E-07	1.7E-08	8.8E-08	2.8E-07	3.8E-07
36	BKGN	260250.48	4021866.26	260250.48, 4	0.000885624	0.000684077	2.88E-03	5.2E-07	4.0E-07	1.7E-06	1.6E-08	9.5E-08	4.0E-07	1.6E-08	8.3E-08	3.5E-07	4.5E-07
37	BKGN	260309.12	4021866.26	260309.12, 4	0.000788407	0.000631709	3.13E-03	4.7E-07	3.7E-07	1.9E-06	1.5E-08	8.8E-08	4.4E-07	1.5E-08	7.6E-08	3.8E-07	4.7E-07
38	BKGN	260367.76	4021866.26	260367.76, 4	0.00066822	0.000575554	2.95E-03	4.0E-07	3.4E-07	1.7E-06	1.2E-08	8.0E-08	4.1E-07	1.2E-08	7.0E-08	3.6E-07	4.4E-07
39	BKGN	260426.4	4021866.26	260426.4, 40	0.00054995	0.000522993	2.51E-03	3.3E-07	3.1E-07	1.5E-06	1.0E-08	7.3E-08	3.5E-07	1.0E-08	6.3E-08	3.0E-07	3.8E-07
40	BKGN	260485.04	4021866.26	260485.04, 4	0.000445924	0.000477042	2.02E-03	2.6E-07	2.8E-07	1.2E-06	8.3E-09	6.7E-08	2.8E-07	8.3E-09	5.8E-08	2.4E-07	3.1E-07
41	BKGN	260543.68	4021866.26	260543.68, 4	0.000360121	0.000440222	1.59E-03	2.1E-07	2.6E-07	9.4E-07	6.7E-09	6.1E-08	2.2E-07	6.7E-09	5.3E-08	1.9E-07	2.5E-07
42	BKGN	260602.32	4021866.26	260602.32, 4	0.000292112	0.000409372	1.25E-03	1.7E-07	2.4E-07	7.4E-07	5.4E-09	5.7E-08	1.7E-07	5.4E-09	4.9E-08	1.5E-07	2.1E-07
43	BKGN	259429.52	4021909.78	259429.52, 4	0.000163839	0.000331703	4.72E-04	9.7E-08	2.0E-07	2.8E-07	3.0E-09	4.6E-08	6.6E-08	3.0E-09	4.0E-08	5.7E-08	1.0E-07
44	BKGN	259488.16	4021909.78	259488.16, 4	0.000181154	0.000344992	5.03E-04	1.1E-07	2.0E-07	3.0E-07	3.4E-09	4.8E-08	7.0E-08	3.4E-09	4.2E-08	6.1E-08	1.1E-07
45	BKGN	259546.8	4021909.78	259546.8, 40	0.000203181	0.00035917	5.34E-04	1.2E-07	2.1E-07	3.2E-07	3.8E-09	5.0E-08	7.4E-08	3.8E-09	4.3E-08	6.5E-08	1.1E-07
46	BKGN	259605.44	4021909.78	259605.44, 4	0.000231489	0.00037526	5.70E-04	1.4E-07	2.2E-07	3.4E-07	4.3E-09	5.2E-08	8.0E-08	4.3E-09	4.5E-08	6.9E-08	1.2E-07
47	BKGN	259664.08	4021909.78	259664.08, 4	0.000266587	0.000394474	6.18E-04	1.6E-07	2.3E-07	3.7E-07	5.0E-09	5.5E-08	8.6E-08	5.0E-09	4.8E-08	7.5E-08	1.3E-07
48	BKGN	259722.72	4021909.78	259722.72, 4	0.000308095	0.000417873	6.81E-04	1.8E-07	2.5E-07	4.0E-07	5.7E-09	5.8E-08	9.5E-08	5.7E-09	5.1E-08	8.2E-08	1.4E-07
49	BKGN	259781.36	4021909.78	259781.36, 4	0.000354125	0.00044829	7.47E-04	2.1E-07	2.7E-07	4.4E-07	6.6E-09	6.3E-08	1.0E-07	6.6E-09	5.4E-08	9.0E-08	1.5E-07
50	BKGN	259840	4021909.78	259840, 402	0.000406249	0.000492312	8.16E-04	2.4E-07	2.9E-07	4.8E-07	7.6E-09	6.9E-08	1.1E-07	7.6E-09	6.0E-08	9.9E-08	1.7E-07
51	BKGN	259898.64	4021909.78	259898.64, 4	0.000482397	0.000567854	9.08E-04	2.9E-07	3.4E-07	5.4E-07	9.0E-09	7.9E-08	1.3E-07	9.0E-09	6.9E-08	1.1E-07	1.9E-07
52	BKGN	259957.28	4021909.78	259957.28, 4	0.000607971	0.000733286	1.09E-03	3.6E-07	4.3E-07	6.4E-07	1.1E-08	1.0E-07	1.5E-07	1.1E-08	8.9E-08	1.3E-07	2.3E-07
53	BKGN	260015.92	4021909.78	260015.92, 4	0.000788709	0.00102359	1.40E-03	4.7E-07	6.1E-07	8.3E-07	1.5E-08	1.4E-07	2.0E-07	1.5E-08	1.2E-07	1.7E-07	3.1E-07
54	BKGN	260074.56	4021909.78	260074.56, 4	0.000983318	0.00114667	1.75E-03	5.8E-07	6.8E-07	1.0E-06	1.8E-08	1.6E-07	2.4E-07	1.8E-08	1.4E-07	2.1E-07	3.7E-07
55	BKGN	260133.2	4021909.78	260133.2, 40	0.001116397	0.00092983	2.27E-03	6.6E-07	5.5E-07	1.3E-06	2.1E-08	1.3E-07	3.2E-07	2.1E-08	1.1E-07	2.7E-07	4.1E-07
56	BKGN	260191.84	4021909.78	260191.84, 4	0.001129246	0.000858712	3.04E-03	6.7E-07	5.1E-07	1.8E-06	2.1E-08	1.2E-07	4.2E-07	2.1E-08	1.0E-07	3.7E-07	4.9E-07
57	BKGN	260250.48	4021909.78	260250.48, 4	0.00102886	0.000794926	3.64E-03	6.1E-07	4.7E-07	2.2E-06	1.9E-08	1.1E-07	5.1E-07	1.9E-08	9.6E-08	4.4E-07	5.6E-07
58	BKGN	260309.12	4021909.78	260309.12, 4	0.000869217	0.000724337	3.64E-03	5.1E-07	4.3E-07	2.2E-06	1.6E-08	1.0E-07	5.1E-07	1.6E-08	8.8E-08	4.4E-07	5.4E-07
59	BKGN	260367.76	4021909.78	260367.76, 4	0.000705065	0.00065679	3.16E-03	4.2E-07	3.9E-07	1.9E-06	1.3E-08	9.2E-08	4.4E-07	1.3E-08	7.9E-08	3.8E-07	4.7E-07
60	BKGN	260426.4	4021909.78	260426.4, 40	0.000560245	0.000599314	2.52E-03	3.3E-07	3.5E-07	1.5E-06	1.0E-08	8.4E-08	3.5E-07	1.0E-08	7.2E-08	3.0E-07	3.9E-07
61	BKGN	260485.04	4021909.78	260485.04, 4	0.000442118	0.000552401	1.94E-03	2.6E-07	3.3E-07	1.1E-06	8.2E-09	7.7E-08	2.7E-07	8.2E-09	6.7E-08	2.3E-07	3.1E-07
62	BKGN	260543.68	4021909.78	260543.68, 4	0.000349422	0.000516849	1.49E-03	2.1E-07	3.1E-07	8.8E-07	6.5E-09	7.2E-08	2.1E-07	6.5E-09	6.2E-08	1.8E-07	2.5E-07
63	BKGN	260602.32	4021909.78	260602.32, 4	0.000279917	0.000488225	1.16E-03	1.7E-07	2.9E-07	6.9E-07	5.2E-09	6.8E-08	1.6E-07	5.2E-09	5.9E-08	1.4E-07	2.0E-07
64	BKGN	259429.52	4021953.3	259429.52, 4	0.000184752	0.000430644	5.30E-04	1.1E-07	2.5E-07	3.1E-07	3.4E-09	6.0E-08	7.4E-08	3.4E-09	5.2E-08	6.4E-08	1.2E-07
65	BKGN	259488.16	4021953.3	259488.16, 4	0.000206538	0.000447221	5.71E-04	1.2E-07	2.6E-07	3.4E-07	3.8E-09	6.2E-08	8.0E-08	3.8E-09	5.4E-08	6.9E-08	1.3E-07
66	BKGN	259546.8	4021953.3	259546.8, 40	0.000233467	0.000465889	6.13E-04	1.4E-07	2.8E-07	3.6E-07	4.3E-09	6.5E-08	8.5E-08	4.3E-09	5.6E-08	7.4E-08	1.3E-07
67	BKGN	259605.44	4021953.3	259605.44, 4	0.000268248	0.000486155	6.57E-04	1.6E-07	2.9E-07	3.9E-07	5.0E-09	6.8E-08	9.2E-08	5.0E-09	5.9E-08	7.9E-08	1.4E-07
68	BKGN	259664.08	4021953.3	259664.08, 4	0.000313174	0.000509445	7.11E-04	1.9E-07	3.0E-07	4.2E-07	5.8E-09	7.1E-08	9.9E-08	5.8E-09	6.2E-08	8.6E-08	1.5E-07
69	BKGN	259722.72	4021953.3	259722.72, 4	0.000369083	0.000537576	7.85E-04	2.2E-07	3.2E-07	4.6E-07	6.9E-09	7.5E-08	1.1E-07	6.9E-09	6.5E-08	9.5E-08	1.7E-07
70	BKGN	259781.36	4021953.3	259781.36, 4	0.000434391	0.000573722	8.75E-04	2.6E-07	3.4E-07	5.2E-07	8.1E-09	8.0E-08	1.2E-07	8.1E-09	6.9E-08	1.1E-07	1.8E-07
71	BKGN	259840	4021953.3	259840, 402	0.000510592	0.000624517	9.67E-04	3.0E-07	3.7E-07	5.7E-07	9.5E-09	8.7E-08	1.3E-07	9.5E-09	7.5E-08	1.2E-07	2.0E-07
72	BKGN	259898.64	4021953.3	259898.64, 4	0.000623974	0.000709182	1.08E-03	3.7E-07	4.2E-07	6.4E-07	1.2E-08	9.9E-08	1.5E-07	1.2E-08	8.6E-08	1.3E-07	2.3E-07
73	BKGN	259957.28	4021953.3	259957.28, 4	0.000813427	0.000885115	1.32E-03	4.8E-07	5.2E-07	7.8E-07	1.5E-08	1.2E-07	1.8E-07	1.5E-08	1.1E-07	1.6E-07	2.8E-07
74	BKGN	260015.92	4021953.3	260015.92, 4	0.0010798	0.001206447	1.74E-03	6.4E-07	7.1E-07	1.0E-06	2.0E-08	1.7E-07	2.4E-07	2.0E-08	1.5E-07	2.1E-07	3.8E-07
75	BKGN	260074.56	4021953.3	260074.56, 4	0.001329945	0.001358719	2.25E-03	7.9E-07	8.0E-07	1.3E-06	2.5E-08	1.9E-07	3.1E-07	2.5E-08	1.6E-07	2.7E-07	4.6E-07
76	BKGN	260133.2	4021953.3	260133.2, 40	0.001444087	0.001145998	3.05E-03	8.5E-07	6.8E-07	1.8E-06	2.7E-08	1.6E-07	4.3E-07	2.7E-08	1.4E-07	3.7E-07	5.3E-07
77	BKGN	260191.84	4021953.3	260191.84, 4	0.001372739	0.001055189	4.08E-03	8.1E-07	6.2E-07	2.4E-06	2.6E-08	1.5E-07	5.7E-07	2.6E-08	1.3E-07	4.9E-07	6.5E-07
78	BKGN	260250.48	4021953.3	260250.48, 4	0.001172153	0.000965803	4.50E-03	6.9E-07	5.7E-07	2.7E-06	2.2E-08	1.3E-07	6.3E-07	2.2E-08	1.2E-07	5.4E-07	6.8E-07
79	BKGN	260309.12	4021953.3	260309.12, 4	0.000937619	0.000878932	4.06E-03	5.5E-07	5.2E-07	2.4E-06	1.7E-08	1.2E-07	5.7E-07	1.7E-08	1.1E-07	4.9E-07	6.1E-07
80	BKGN	260367.76	4021953.3	260367.76, 4	0.00072636	0.000805278	3.22E-03	4.3E-07	4.8E-07	1.9E-06	1.4E-08	1.1E-07	4.5E-07	1.4E-08	9.7E-08	3.9E-07	5.0E-07
81	BKGN	260426.4	4021953.3	260426.4, 40	0.000557266	0.000748578	2.42E-03	3.3E-07	4.4E-07	1.4E-06	1.0E-08	1.0E-07	3.4E-07	1.0E-08	9.0E-08	2.9E-07	3.9E-07
82	BKGN	260485.04	4021953.3	260485.04, 4	0.000429269	0.000707408	1.81E-03	2.5E-07	4.2E-07	1.1E-06	8.0E-09	9.9E-08	2.5E-07	8.0E-09	8.6E-08	2.2E-07	3.1E-07
83	BKGN	260543.68	4021953.3	260543.68, 4	0.000335771	0.000676002	1.37E-03	2.0E-07	4.0E-07	8.1E-07	6.2E-09	9.4E-08	1.9E-07	6.2E-09	8.2E-08	1.7E-07	2.5E-07
84	BKGN	260602.32	4021953.3	260602.32, 4	0.000267036	0.000656023	1.07E-03	1.6E-07	3.9E-07	6.3E-07	5.0E-09	9.2E-08	1.5E-07	5.0E-09	7.9E-08	1.3E-07	2.1E-07
85	BKGN	259429.52	4021996.82	259429.52, 4	0.000207958	0.000634061	5.91E-04	1.2E-07	3.8E-07	3.5E-07	3.9E-09	8.8E-08	8.2E-08	3.9E-09	7.7E-08	7.1E-08	1.5E-07
86	BKGN	259488.16	4021996.82	259488.16, 4	0.00023652	0.000660333	6.49E-04	1.4E-07	3.9E-07	3.8E-07	4.4E-09	9.2E-08	9.0E-08	4.4E-09	8.0E-08	7.8E-08	1.6E-07
87	BKGN	259546.8	4021996.82	259546.8, 40	0.000271276	0.000689516	7.08E-04	1.6E-07	4.1E-07	4.2E-07	5.0E-09	9.6E-08	9.9E-08	5.0E-09	8.3E-08	8.6E-08	1.7E-07
88	BKGN	259605.44	4021996.82	259605.44, 4	0.000315582	0.000722547	7.68E-04	1.9E-07	4.3E-07	4.5E-07	5.9E-09	1.0E-07	1.1E-07	5.9E-09	8.7E-08	9.3E-08	1.9E-07
89	BKGN	259664.08	4021996.82	259664.08, 4	0.000373973	0.000757798	8.35E-04	2.2E-07	4.5E-07	4.9E-07	7.0E-09	1.1E-07	1.2E-07	7.0E-09	9.2E-08	1.0E-07	2.0E-07
90	BKGN	259722.72	4021996.82	259722.72, 4	0.000450336	0.000799201	9.20E-04	2.7E-07	4.7E-07	5.4E-07	8.4E-09	1.1E-07	1.3E-07	8.4E-09	9.7E-08	1.1E-07	2.2E-07
91	BKGN	259781.36	4021996.82	259781.36, 4	0.000545243	0.000850377	1.04E-03	3.2E-07	5.0E-07	6.1E-07	1.0E-08	1.2E-07	1.4E-07	1.0E-08	1.0E-07	1.3E-07	2.4E-07
92	BKGN	259840	4021996.82	259840, 402	0.000661086	0.000917093	1.17E-03	3.9E-07	5.4E-07	6.9E-07	1.2E-08	1.3E-07	1.6E-07	1.2E-08	1.1E-07	1.4E-07	2.6E-07
93	BKGN	259898.64	4021996.82	259898.64, 4	0.000839211	0.001023551	1.32E-03	5.0E-07	6.1E-07	7.8E-07	1.6E-08	1.4E-07	1.8E-07	1.6E-08	1.2E-07	1.6E-07	3.0E-07
94	BKGN	259957.28	4021996.82	259957.28, 4	0.001140462	0.001226377	1.63E-03	6.7E-07	7.3E-07	9.6E-07	2.1E-08	1.7E-07	2.3E-07	2.1E-08	1.5E-07	2.0E-07	3.7E-07
95	BKGN	260015.92	4021996.82	260015.92, 4	0.001536833	0.001785583	2.24E-03	9.1E-07	1.1E-06	1.3E-06	2.9E-08	2.5E-07	3.1E-07	2.9E-08	2.2E-07	2.7E-07	5.1E-07
96	BKGN	260074.56	4021996.82	260074.56, 4	0.001838173	0.001802447	3.01E-03	1.1E-06	1.1E-06	1.8E-06	3.4E-08	2.5E-07	4.2E-07	3.4E-08	2.2E-07	3.6E-07	6.2E-07
97	BKGN	260133.2	4021996.82	260133.2, 40	0.001867797	0.001590694	4.31E-03	1.1E-06	9.4E-07	2.5E-06	3.5E-08	2.2E-07	6.0E-07	3.5E-08	1.9E-07	5.2E-07	7.5E-07
98	BKGN	260191.84	4021996.82	260191.84, 4	0.001637384	0.001471802	5.48E-03	9.7E-07	8.7E-07	3.2E-06	3.0E-08	2.1E-07	7.6E-07	3.0E-08	1.8E-07	6.6E-07	8.7E-07
99	BKGN	260250.48	4021996.82	260250.48, 4	0.001297701	0.001369792	5.34E-03	7.7E-07	8.1E-07	3.2E-06	2.4E-08	1.9E-07	7.4E-07	2.4E-08	1.7E-07	6.5E-07	8.3E-07
100	BKGN	260309.12	4021996.82	260309.12, 4	0.000978314	0.001284718	4.27E-03	5.8E-07	7.6E-07	2.5E-06	1.8E-08	1.8E-07	6.0E-07	1.8E-08	1.6E-07	5.2E-07	6.9E-07
101	BKGN	260367.76	4021996.82	260367.76, 4	0.000725503	0.00122812	3.12E-03	4.3E-07	7.3E-07	1.8E-06	1.3E-08	1.7E-07	4.4E-07	1.3E-08	1.5E-07	3.8E-07	5.4E-07

102	BKGNI	260426.4	4021996.82	260426.4, 4	0.000540772	0.001196653	2.24E-03	3.2E-07	7.1E-07	1.3E-06	1.0E-08	1.7E-07	3.1E-07	1.0E-08	1.4E-07	2.7E-07	4.3E-07
103	BKGNI	260485.04	4021996.82	260485.04,	0.000409426	0.00118474	1.65E-03	2.4E-07	7.0E-07	9.7E-07	7.6E-09	1.7E-07	2.3E-07	7.6E-09	1.4E-07	2.0E-07	3.5E-07
104	BKGNI	260543.68	4021996.82	260543.68,	0.000318116	0.001187979	1.25E-03	1.9E-07	7.0E-07	7.4E-07	5.9E-09	1.7E-07	1.7E-07	5.9E-09	1.4E-07	1.5E-07	3.0E-07
105	BKGNI	260602.32	4021996.82	260602.32,	0.000252926	0.001202412	9.81E-04	1.5E-07	7.1E-07	5.8E-07	4.7E-09	1.7E-07	1.4E-07	4.7E-09	1.5E-07	1.2E-07	2.7E-07
106	BKGNI	259429.52	4022040.34	259429.52,	0.000232925	0.001337705	6.48E-04	1.4E-07	7.9E-07	3.8E-07	4.3E-09	1.9E-07	9.0E-08	4.3E-09	1.6E-07	7.8E-08	2.4E-07
107	BKGNI	259488.16	4022040.34	259488.16,	0.000270455	0.001100692	7.31E-04	1.6E-07	6.5E-07	4.3E-07	5.0E-09	1.5E-07	1.0E-07	5.0E-09	1.3E-07	8.8E-08	2.3E-07
108	BKGNI	259546.8	4022040.34	259546.8, 4	0.000317015	0.000926142	8.17E-04	1.9E-07	5.5E-07	4.8E-07	5.9E-09	1.3E-07	1.1E-07	5.9E-09	1.1E-07	9.9E-08	2.2E-07
109	BKGNI	259605.44	4022040.34	259605.44,	0.000376343	0.000919241	9.06E-04	2.2E-07	5.4E-07	5.4E-07	7.0E-09	1.3E-07	1.3E-07	7.0E-09	1.1E-07	1.1E-07	2.3E-07
110	BKGNI	259664.08	4022040.34	259664.08,	0.000455151	0.000932362	9.98E-04	2.7E-07	5.5E-07	5.9E-07	8.5E-09	1.3E-07	1.4E-07	8.5E-09	1.1E-07	1.2E-07	2.4E-07
111	BKGNI	259722.72	4022040.34	259722.72,	0.00056219	0.001091106	1.10E-03	3.3E-07	6.5E-07	6.5E-07	1.0E-08	1.5E-07	1.5E-07	1.0E-08	1.3E-07	1.3E-07	2.8E-07
112	BKGNI	259781.36	4022040.34	259781.36,	0.000704225	0.001062008	1.25E-03	4.2E-07	6.3E-07	7.4E-07	1.3E-08	1.5E-07	1.7E-07	1.3E-08	1.3E-07	1.5E-07	2.9E-07
113	BKGNI	259840	4022040.34	259840, 402	0.000889154	0.001065224	1.44E-03	5.3E-07	6.3E-07	8.5E-07	1.7E-08	1.5E-07	2.0E-07	1.7E-08	1.3E-07	1.7E-07	3.2E-07
114	BKGNI	259898.64	4022040.34	259898.64,	0.001189476	0.001135857	1.66E-03	7.0E-07	6.7E-07	9.8E-07	2.2E-08	1.6E-07	2.3E-07	2.2E-08	1.4E-07	2.0E-07	3.6E-07
115	BKGNI	259957.28	4022040.34	259957.28,	0.001698797	0.001337509	2.08E-03	1.0E-06	7.9E-07	1.2E-06	3.2E-08	1.9E-07	2.9E-07	3.2E-08	1.6E-07	2.5E-07	4.4E-07
116	BKGNI	260015.92	4022040.34	260015.92,	0.002283763	0.001525611	2.99E-03	1.4E-06	9.0E-07	1.8E-06	4.2E-08	2.1E-07	4.2E-07	4.2E-08	1.8E-07	3.6E-07	5.9E-07
117	BKGNI	260074.56	4022040.34	260074.56,	0.002576257	0.001944527	4.28E-03	1.5E-06	1.2E-06	2.5E-06	4.8E-08	2.7E-07	6.0E-07	4.8E-08	2.4E-07	5.2E-07	8.0E-07
118	BKGNI	260133.2	4022040.34	260133.2, 4	0.002383323	0.001610578	6.32E-03	1.4E-06	9.5E-07	3.7E-06	4.4E-08	2.2E-07	8.8E-07	4.4E-08	1.9E-07	7.6E-07	1.0E-06
119	BKGNI	260191.84	4022040.34	260191.84,	0.001889424	0.001380568	7.12E-03	1.1E-06	8.2E-07	4.2E-06	3.5E-08	1.9E-07	9.9E-07	3.5E-08	1.7E-07	8.6E-07	1.1E-06
120	BKGNI	260250.48	4022040.34	260250.48,	0.001383225	0.001194445	5.91E-03	8.2E-07	7.1E-07	3.5E-06	2.6E-08	1.7E-07	8.2E-07	2.6E-08	1.4E-07	7.1E-07	8.8E-07
121	BKGNI	260309.12	4022040.34	260309.12,	0.000984221	0.001208266	4.20E-03	5.8E-07	7.2E-07	2.5E-06	1.8E-08	1.7E-07	5.9E-07	1.8E-08	1.5E-07	5.1E-07	6.7E-07
122	BKGNI	260367.76	4022040.34	260367.76,	0.000703633	0.001077551	2.88E-03	4.2E-07	6.4E-07	1.7E-06	1.3E-08	1.5E-07	4.0E-07	1.3E-08	1.3E-07	3.5E-07	4.9E-07
123	BKGNI	260426.4	4022040.34	260426.4, 4	0.000513915	0.001143333	2.02E-03	3.0E-07	6.8E-07	1.2E-06	9.6E-09	1.6E-07	2.8E-07	9.6E-09	1.4E-07	2.4E-07	3.9E-07
124	BKGNI	260485.04	4022040.34	260485.04,	0.000386325	0.001043262	1.49E-03	2.3E-07	6.2E-07	8.8E-07	7.2E-09	1.5E-07	2.1E-07	7.2E-09	1.3E-07	1.8E-07	3.1E-07
125	BKGNI	260543.68	4022040.34	260543.68,	0.000299408	0.000958272	1.14E-03	1.8E-07	5.7E-07	6.7E-07	5.6E-09	1.3E-07	1.6E-07	5.6E-09	1.2E-07	1.4E-07	2.6E-07
126	BKGNI	260602.32	4022040.34	260602.32,	0.000238827	0.000882436	8.99E-04	1.4E-07	5.2E-07	5.3E-07	4.4E-09	1.2E-07	1.3E-07	4.4E-09	1.1E-07	1.1E-07	2.2E-07
127	BKGNI	259429.52	4022083.86	259429.52,	0.000259502	0.000735736	6.94E-04	1.5E-07	4.4E-07	4.1E-07	4.8E-09	1.0E-07	9.7E-08	4.8E-09	8.9E-08	8.4E-08	1.8E-07
128	BKGNI	259488.16	4022083.86	259488.16,	0.000307709	0.000724633	8.05E-04	1.8E-07	4.3E-07	4.8E-07	5.7E-09	1.0E-07	1.1E-07	5.7E-09	8.8E-08	9.7E-08	1.9E-07
129	BKGNI	259546.8	4022083.86	259546.8, 4	0.000370127	0.000718297	9.31E-04	2.2E-07	4.3E-07	5.5E-07	6.9E-09	1.0E-07	1.3E-07	6.9E-09	8.7E-08	1.1E-07	2.1E-07
130	BKGNI	259605.44	4022083.86	259605.44,	0.000452354	0.000717498	1.07E-03	2.7E-07	4.2E-07	6.3E-07	8.4E-09	1.0E-07	1.5E-07	8.4E-09	8.7E-08	1.3E-07	2.2E-07
131	BKGNI	259664.08	4022083.86	259664.08,	0.000564017	0.000715617	1.21E-03	3.3E-07	4.2E-07	7.2E-07	1.0E-08	1.0E-07	1.7E-07	1.0E-08	8.7E-08	1.5E-07	2.4E-07
132	BKGNI	259722.72	4022083.86	259722.72,	0.000720527	0.000736771	1.36E-03	4.3E-07	4.4E-07	8.1E-07	1.3E-08	1.0E-07	1.9E-07	1.3E-08	8.9E-08	1.6E-07	2.7E-07
133	BKGNI	259781.36	4022083.86	259781.36,	0.000943655	0.000764109	1.55E-03	5.6E-07	4.5E-07	9.2E-07	1.8E-08	1.1E-07	2.2E-07	1.8E-08	9.2E-08	1.9E-07	3.0E-07
134	BKGNI	259840	4022083.86	259840, 402	0.001259712	0.000813902	1.82E-03	7.5E-07	4.8E-07	1.1E-06	2.3E-08	1.1E-07	2.5E-07	2.3E-08	9.8E-08	2.2E-07	3.4E-07
135	BKGNI	259898.64	4022083.86	259898.64,	0.001818685	0.000916069	2.16E-03	1.1E-06	5.4E-07	1.3E-06	3.4E-08	1.3E-07	3.0E-07	3.4E-08	1.1E-07	2.6E-07	4.1E-07
136	BKGNI	259957.28	4022083.86	259957.28,	0.002736113	0.001154721	2.76E-03	1.6E-06	6.8E-07	1.6E-06	5.1E-08	1.6E-07	3.8E-07	5.1E-08	1.4E-07	3.3E-07	5.2E-07
137	BKGNI	260015.92	4022083.86	260015.92,	0.00354895	0.001575136	4.23E-03	2.1E-06	9.3E-07	2.5E-06	6.6E-08	2.2E-07	5.9E-07	6.6E-08	1.9E-07	5.1E-07	7.7E-07
138	BKGNI	260074.56	4022083.86	260074.56,	0.003628392	0.001825445	6.63E-03	2.1E-06	1.1E-06	3.9E-06	6.7E-08	2.5E-07	9.2E-07	6.7E-08	2.2E-07	8.0E-07	1.1E-06
139	BKGNI	260133.2	4022083.86	260133.2, 4	0.00294255	0.001412646	9.38E-03	1.7E-06	8.4E-07	5.6E-06	5.5E-08	2.0E-07	1.3E-06	5.5E-08	1.7E-07	1.1E-06	1.4E-06
140	BKGNI	260191.84	4022083.86	260191.84,	0.002076509	0.001116555	8.60E-03	1.2E-06	6.6E-07	5.1E-06	3.9E-08	1.6E-07	1.2E-06	3.9E-08	1.3E-07	1.0E-06	1.2E-06
141	BKGNI	260250.48	4022083.86	260250.48,	0.00140728	0.000905571	5.97E-03	8.3E-07	5.4E-07	3.5E-06	2.6E-08	1.3E-07	8.3E-07	2.6E-08	1.1E-07	7.2E-07	8.6E-07
142	BKGNI	260309.12	4022083.86	260309.12,	0.000953523	0.000762089	3.84E-03	5.6E-07	4.5E-07	2.3E-06	1.8E-08	1.1E-07	5.4E-07	1.8E-08	9.2E-08	4.6E-07	5.7E-07
143	BKGNI	260367.76	4022083.86	260367.76,	0.000664381	0.000662247	2.55E-03	3.9E-07	3.9E-07	1.5E-06	1.2E-08	9.2E-08	3.6E-07	1.2E-08	8.0E-08	3.1E-07	4.0E-07
144	BKGNI	260426.4	4022083.86	260426.4, 4	0.000480317	0.000589222	1.80E-03	2.8E-07	3.5E-07	1.1E-06	8.9E-09	8.2E-08	2.5E-07	8.9E-09	7.1E-08	2.2E-07	3.0E-07
145	BKGNI	260485.04	4022083.86	260485.04,	0.000360651	0.000536531	1.33E-03	2.1E-07	3.2E-07	7.9E-07	6.7E-09	7.5E-08	1.9E-07	6.7E-09	6.5E-08	1.6E-07	2.3E-07
146	BKGNI	260543.68	4022083.86	260543.68,	0.000280344	0.000493857	1.03E-03	1.7E-07	2.9E-07	6.1E-07	5.2E-09	6.9E-08	1.4E-07	5.2E-09	6.0E-08	1.3E-07	1.9E-07
147	BKGNI	260602.32	4022083.86	260602.32,	0.000224677	0.000457484	8.34E-04	1.3E-07	2.7E-07	4.9E-07	4.2E-09	6.4E-08	1.2E-07	4.2E-09	5.5E-08	1.0E-07	1.6E-07
148	BKGNI	259429.52	4022127.38	259429.52,	0.000287056	0.000410435	7.22E-04	1.7E-07	2.4E-07	4.3E-07	5.3E-09	5.7E-08	1.0E-07	5.3E-09	5.0E-08	8.7E-08	1.4E-07
149	BKGNI	259488.16	4022127.38	259488.16,	0.000347512	0.000423098	8.58E-04	2.1E-07	2.5E-07	5.1E-07	6.5E-09	5.9E-08	1.2E-07	6.5E-09	5.1E-08	1.0E-07	1.6E-07
150	BKGNI	259546.8	4022127.38	259546.8, 4	0.000429485	0.000440128	1.03E-03	2.5E-07	2.6E-07	6.1E-07	8.0E-09	6.1E-08	1.4E-07	8.0E-09	5.3E-08	1.2E-07	1.9E-07
151	BKGNI	259605.44	4022127.38	259605.44,	0.000543326	0.00046287	1.23E-03	3.2E-07	2.7E-07	7.3E-07	1.0E-08	6.5E-08	1.7E-07	1.0E-08	5.6E-08	1.5E-07	2.2E-07
152	BKGNI	259664.08	4022127.38	259664.08,	0.000706347	0.000492948	1.47E-03	4.2E-07	2.9E-07	8.7E-07	1.3E-08	6.9E-08	2.0E-07	1.3E-08	6.0E-08	1.8E-07	2.5E-07
153	BKGNI	259722.72	4022127.38	259722.72,	0.000948955	0.000532987	1.72E-03	5.6E-07	3.2E-07	1.0E-06	1.8E-08	7.4E-08	2.4E-07	1.8E-08	6.4E-08	2.1E-07	2.9E-07
154	BKGNI	259781.36	4022127.38	259781.36,	0.001325628	0.000587852	2.00E-03	7.8E-07	3.5E-07	1.2E-06	2.5E-08	8.2E-08	2.8E-07	2.5E-08	7.1E-08	2.4E-07	3.4E-07
155	BKGNI	259840	4022127.38	259840, 402	0.001926109	0.000669251	2.39E-03	1.1E-06	4.0E-07	1.4E-06	3.6E-08	9.3E-08	3.3E-07	3.6E-08	8.1E-08	2.9E-07	4.1E-07
156	BKGNI	259898.64	4022127.38	259898.64,	0.003131837	0.000826138	2.93E-03	1.9E-06	4.9E-07	1.7E-06	5.8E-08	1.2E-07	4.1E-07	5.8E-08	1.0E-07	3.5E-07	5.1E-07
157	BKGNI	259957.28	4022127.38	259957.28,	0.004861628	0.001172821	3.88E-03	2.9E-06	6.9E-07	2.3E-06	9.0E-08	1.6E-07	5.4E-07	9.0E-08	1.4E-07	4.7E-07	7.0E-07
158	BKGNI	260015.92	4022127.38	260015.92,	0.005776203	0.00168916	6.53E-03	3.4E-06	1.0E-06	3.9E-06	1.1E-07	2.4E-07	9.1E-07	1.1E-07	2.0E-07	7.9E-07	1.1E-06
159	BKGNI	260074.56	4022127.38	260074.56,	0.005064765	0.001853059	1.14E-02	3.0E-06	1.1E-06	6.7E-06	9.4E-08	2.6E-07	1.6E-06	9.4E-08	2.2E-07	1.4E-06	1.7E-06
160	BKGNI	260133.2	4022127.38	260133.2, 4	0.003446459	0.001278366	1.32E-02	2.0E-06	7.6E-07	7.8E-06	6.4E-08	1.8E-07	1.8E-06	6.4E-08	1.5E-07	1.6E-06	1.8E-06
161	BKGNI	260191.84	4022127.38	260191.84,	0.002151762	0.000931574	9.18E-03	1.3E-06	5.5E-07	5.4E-06	4.0E-08	1.3E-07	1.3E-06	4.0E-08	1.1E-07	1.1E-06	1.3E-06
162	BKGNI	260250.48	4022127.38	260250.48,	0.00136274	0.000722669	5.44E-03	8.1E-07	4.3E-07	3.2E-06	2.5E-08	1.0E-07	7.6E-07	2.5E-08	8.7E-08	6.6E-07	7.7E-07
163	BKGNI	260309.12	4022127.38	260309.12,	0.000892218	0.000592365	3.34E-03	5.3E-07	3.5E-07	2.0E-06	1.7E-08	8.3E-08	4.7E-07	1.7E-08	7.2E-08	4.0E-07	4.9E-07
164	BKGNI	260367.76	4022127.38	260367.76,	0.000614003	0.00050555	2.23E-03	3.6E-07	3.0E-07	1.3E-06	1.1E-08	7.1E-08	3.1E-07	1.1E-08	6.1E-08	2.7E-07	3.4E-07
165	BKGNI	260426.4	4022127.38	260426.4, 4	0.000443256	0.000445297	1.59E-03	2.6E-07	2.6E-07	9.4E-07	8.2E-09	6.2E-08	2.2E-07	8.2E-09	5.4E-08	1.9E-07	2.5E-07
166	BKGNI	260485.04	4022127.38	260485.04,	0.000334329	0.000400193	1.21E-03	2.0E-07	2.4E-07	7.2E-07	6.2E-09	5.6E-08	1.7E-07	6.2E-09	4.8E-08	1.5E-07	2.0E-07
167	BKGNI	260543.68	4022127.38	260543.68,	0.000260988	0.000364658	9.64E-04	1.5E-07	2.2E-07	5.7E-07	4.9E-09	5.1E-08	1.3E-07	4.9E-09	4.4E-08	1.2E-07	1.7E-07
168	BKGNI	260602.32	4022127.38	260602.32,	0.000210502	0.000334676	7.95E-04	1.2E-07	2.0E-07	4.7E-07	3.9E-09	4.7E-08	1.1E-07	3.9E-09	4.0E-08	9.6E-08	1.4E-07
169	BKGNI	259429.52	4022170.9	259429.52,	0.000313396	0.000312023	7.37E-04	1.9E-07	1.8E-07	4.4E-07	5.8E-09	4.4E-08	1.0E-07	5.8E-09	3.8E-08	8.9E-08	1.3E-07
170	BKGNI	259488.16	4022170.9	259488.16,	0.000387013	0.00033082	8.87E-04	2.3E-07	2.0E-07	5.3E-07	7.2E-09	4.6E-08	1.2E-07	7.2E-09	4.0E-08	1.1E-07	1.5E-07
171	BKGNI	259546.8	4022170.9	259546.8, 4	0.00049166	0.000355527	1.09E-03	2.9E-07	2.1E-07	6.4E-07	9.1E-09	5.0E-08	1.5E-07	9.1E-09	4.3E-08	1.3E-07	1.8E-07
172	BKGNI	259605.44	4022170.9	259605.44,	0.000645639	0.000388852	1.36E-03	3.8E-07	2.3E-07	8.0E-07	1.2E-08	5.4E-08	1.9E-07	1.2E-08	4.7E-08	1.6E-07	2.2E-07
173	BKGNI	259664.08	4022170.9	259664.08,	0.000883159	0.000434326	1.72E-03	5.2E-07	2.6E-07	1.0E-06	1.6E-08	6.1E-08	2.4E-07	1.6E-08	5.3E-08	2.1E-07	2.8E-07
174	BKGNI	259722.72	4022170.9	259722.72,	0.001273972	0.000497006	2.16E-03	7.5E-07	2.9E-07	1.3E-06	2.4E-08	6.9E-08	3.0E-07	2.4E-08	6.0E-08	2.6E-07	3.5E-07
175	BKGNI	259781.36	4022170.9	259781.36,	0.001971721	0.000583774	2.68E-03	1.2E-06	3.5E-07	1.6E-06	3.7E-08	8.1E-08	3.7E-07	3.7E-08	7.1E-08	3.2E-07	4.3E-07
176	BKGNI	259840	4022170.9	259840, 402	0.003333958	0.000710088	3.31E-03	2.0E-06	4.2E-07	2.0E-06	6.2E-08	9.9E-08	4.6E-07	6.2E-08	8.6E-08	4.0E-07	5.5E-07
177	BKGNI	259898.64	4022170.9	259898.64,	0.006621103	0.000980995	4.26E-03	3.9E-06	5.8E-07	2.5E-06	1.2E-07	1.4E-07	5.9E-07	1.2E-07	1.2E-07	5.1E-07	7.6E-07
178	BKGNI	259957.28	4022170.9	259957.28,	0.009770234	0.001522413	5.94E-03	5.8E-06	9.0E-07	3.5E-06	1.8E-07	2.1E-07	8.3E-07	1.8E-07	1.8E-07	7.2E-07	1.1E-06
179	BKGNI	260015.92	4022170.9	260015.92,	0.009969033	0.002049786	1.17E-02	5.9E-06	1.2E-06	6.9E-06	1.9E-07	2.9E-07	1.6E-06	1.9E-07	2.5E-07	1.4E-06	1.8E-06
180	BKGNI	260074.56	4022170.9	260074.56,	0.006708656	0.001900822	2.08E-02	4.0E-06	1.1E-06	1.2E-05	1.2E-07	2.7E-07	2.9E-06	1.2E-07	2.3E-07	2.5E-06	2.9E-06
181	BKGNI	260133.2	4022170.9	260133.2, 4	0.003709014	0.001164872	1.60E-02	2.2E-06	6.9E-07	9.5E-06	6.9E-08	1.6E-07	2.2E-06	6.9E-08	1.4E-07	1.9E-06	2.1E-06
182	BKGNI	260191.84	4022170.9	260191.84,	0.002085009	0.000810892	8.39E-03	1.2E-06	4.8E-07	5.0E-06	3.9E-08	1.1E-07	1.2E-06	3.9E-08	9.8E-08	1.0E-06	1.2E-06
183	BKGNI	260250.48	4022170.9	260250.48,	0.001259245	0.000619789	4.59E-03	7.5E-07	3.7E-07	2.7E-06	2.3E-08	8.6E-08	6.4E-07	2.3E-08	7.5E-08	5.6E-07	6.5E-07
184	BKGNI	260309.12	4022170.9	260309.12,	0.000811512	0.000503575	2.85E-03	4.8E-07	3.0E-07	1.7E-06	1.5E-08	7.0E-08	4.0E-07	1.5E-08	6.1E-08	3.4E-07	4.2E-07
185	BKGNI	260367.76	4022170.9	260367.76,	0.000557881	0.000427501	1.96E-03	3.3E-07	2.5E-07	1.2E-06	1.0E-08	6.0E-08	2.7E-07	1.0E-08	5.2E-08	2.4E-07	3.0E-07
186	BKGNI	260426.4	4022170.9	260426.4, 4	0.000405432	0.000374035	1.45E-03	2.4E-07	2.2E-07	8.6E-07	7.5E-09	5.2E-08	2.0E-07	7.5E-09	4.5E-08	1.8E-07	2.3E-07
187	BKGNI	260485.04	4022170.9	260485.04,	0.000307916	0.000333686	1.14E-03	1.8E-07	2.0E-07	6.7E-07	5.7E-09	4.7E-08	1.6E-07	5.7E-09	4.0E-08	1.4E-07	1.8E-07
188	BKGNI	260543.68	4022170.9	260543.68,	0.000242619	0.00030118	9.23E-04	1.4E-07	1.8E-07	5.5E-07	4.5E-09	4.2E-08	1.3E-07	4.5E-09	3.6E-08	1.1E-07	1.5E-07
189	BKGNI	260602.32	4022170.9	260602.32,	0.000196478	0.000273551	7.68E-04	1.2E-07	1.6E-07	4.5E-07	3.7E-09	3.8E-08	1.1E-07	3.7E-09	3.3E-08	9.3E-08	1.3E-07
190	BKGNI	259429.52	4022214.42	259429.52,	0.000336459	0.000266165	7.57E-04	2.0E-07	1.6E-07	4.5E-07	6.3E-09	3.7E-08	1.1E-07	6.3E-09	3.2E-08	9.1E-08	1.3E-07
191	BKGNI	259488.16	4022214.42	259488.16,	0.00042253	0.000288328	9.11E-04	2.5E-07	1.7E-07	5.4E-07	7.9E-09	4.0E-08	1.3E-07	7.9E-09	3.5E-08	1.1E-07	1.5E-07
192	BKGNI	259546.8	4022214.42	259546.8, 4	0.000549826	0.00031802	1.12E-03	3.3E-07	1.9E-07	6.6E-07	1.0E-08	4.4E-08	1.6E-07	1.0E-08	3.8E-08	1.4E-07	1.8E-07
193	BKGNI	259605.44	4022214.42	259605.44,	0.000748101	0.000359941	1.43E-03	4.4E-07	2.1E-07	8.5E-07	1.4E-08	5.0E-08	2.0E-07	1.4E-08	4.4E-08	1.7E-07	2.3E-07
194	BKGNI	259664.08	4022214.42	259664.08,	0.001078995	0.000422116	1.88E-03	6.4E-07	2.5E-07	1.1E-06	2.0E-08	5.9E-08	2.6E-07	2.0E-08	5.1E-08	2.3E-07	3.0E-07
195	BKGNI	259722.72	4022214.42	259722.72,	0.001695179	0.00051713	2.56E-03	1.0E-06	3.1E-07	1.5E-06	3.2E-08	7.2E-08	3.6E-07	3.2E-08	6.3E-08	3.1E-07	4.0E-07
196	BKGNI	259781.36	4022214.42	259781.36,	0.003080746	0.000666008	3.56E-03	1.8E-06	3.9E-07	2.1E-06	5.7E-08	9.3E-08	5.0E-07	5.7E-08	8.1E-08	4.3E-07	5.7E-07
197	BKGNI	259840	4022214.42	259840, 402	0.007382647	0.00092072	4.91E-03	4.4E-06	5.4E-07	2.9E-06	1.4E-07	1.3E-07	6.9E-07	1.4E-07	1.1E-07	5.9E-07	8.4E-07
198	BKGNI	259898.64	4022214.42	259898.64,	0.019897615	0.001633362	6.83E-03	1.2E-05	9.7E-07	4.0E-06	3.7E-07	2.3E-07	9.5E-07	3.7E-07	2.0E-07	8.3E-07	1.4E-06
199	BKGNI	259957.28	4022214.42	259957.28,	0.024261277	0.002421731	1.05E-02	1.4E-05	1.4E-06	6.2E-06	4.5E-07	3.4E-07	1.5E-06	4.5E-07	2.9E-07	1.3E-06	2.0E-06
200	BKGNI	260015.92	4022214.42	260015.92,	0.018936566	0.002460025	2.75E-02	1.1E-05	1.5E-06	1.6E-05	3.5E-07	3.4E-07	3.8E-06	3.5E-07	3.0E-07	3.3E-06	4.0E-06
201	BKGNI	260074.56	4022214.42	260074.56,	0.007809031	0.00178048	3.39E-02	4.6E-06	1.1E-06	2.0E-05	1.5E-07	2.5E-07	4.7E-06	1.5E-07	2.2E-07	4.1E-06	4.5E-06
202	BKGNI	260133.2	4022214.42	260133.2, 4	0.003604914	0.001024585	1.50E-02	2.1E-06	6.1E-07	8.9E-06	6.7E-08	1.4E-07	2.1E-06	6.7E-08	1.2E-07	1.8E-06	2.0E-06
203	BKGNI	260191.84	4022214.42	260191.84,	0.001891051	0.000715483	6.77E-03	1.1E-06	4.2E-07	4.0E-06	3.5E-08	1.0E-07	9.4E-07	3.5E-08	8.6E-08	8.2E-07	9.4E-07
204	BKGNI	260250.48	4022214.42	260250.48,	0.00111853	0.000548286	3.81E-03	6.6E-07	3.2E-07	2.3E-06	2.1E-08	7.6E-08	5.3E-07	2.1E-08	6.6E-08	4.6E-07	5.5E-07
205	BKGNI	260309.12	4022214.42	260309.12,	0.000722624	0.000445929	2.49E-03	4.3E-07	2.6E-07	1.5E-06	1.3E-08	6.2E-08	3.5E-07	1.3E-08	5.4E-08	3.0E-07	3.7E-07
206	BKGNI	260367.76	4022214.42	260367.76,	0.000501993	0.000377912	1.79E-03	3.0E-07	2.2E-07	1.1E-06	9.3E-09	5.3E-08	2.5E-07	9.3E-09	4.6E-08	2.2E-07	2.7E-07
207	BKGNI	260426.4	4022214.42	260426.4, 4	0.000369214	0.000329242	1.37E-03	2.2E-07	1.9E-07	8.1E-07	6.9E-09	4.6E-08	1.9E-07	6.9E-09	4.0E-08	1.7E-07	2.1E-07
208	BKGNI	260485.04	4022214.42	260485.04,	0.000283238	0.000291945	1.09E-03	1.7E-07	1.7E-07	6.4E-07	5.3E-09	4.1E-08	1.5E-07	5.3E-09	3.5E-08	1.3E-07	1.7E-07
209	BKGNI	260543.68	4022214.42	260543.68,	0.000225289	0.000261079	8.87E-04	1.3E-07	1.5E-07	5.2E-07	4.2E-09	3.6E-08	1.2E-07	4.2E-09	3.2E-08	1.1E-07	1.4E-07
210	BKGNI	260602.32	4022214.42	260602.32,	0.000183531	0.000234837	7.40E-04	1.1E-07	1.4E-07	4.4E-07	3.4E-09	3.3E-08	1.0E-07	3.4E-09	2.8E-08	8.9E-08	1.2E-07
211	BKGNI	259429.52	4022257.94	259429.52,	0.000355689	0.000241113	7.87E-04	2.1E-07	1.4E-07	4.7E-07	6.6E-09	3.4E-08	1.1E-07	6.6E-09	2.9E-08	9.5E-08	1.3E-07
212	BKGNI	259488.16	4022257.94	259488.16,	0.00045262	0.000266052	9.48E-04	2.7E-07	1.6E-07	5.6E-07	8.4E-09	3.7E-08	1.3E-07	8.4E-09	3.2E-08	1.1E-07	1.6E-07
213	BKGNI	259546.8	4022257.94	259546.8, 4	0.000599949	0.000299852	1.17E-03	3.6E-07	1.8E-07	6.9E-07	1.1E-08	4.2E-08	1.6E-07	1.1E-08	3.6E-08	1.4E-07	1.9E-07
214	BKGNI	259605.44	4022257.94	259605.44,	0.000839108	0.000349324	1.49E-03	5.0E-07	2.1E-07	8.8E-07	1.6E-08	4.9E-08	2.1E-07	1.6E-08	4.2E-08	1.8E-07	2.4E-07

215	BKGND	259664.08	4022257.94	259664.08, 4	0.001264451	0.000427365	1.98E-03	7.5E-07	2.5E-07	1.2E-06	2.4E-08	6.0E-08	2.8E-07	2.4E-08	5.2E-08	2.4E-07	3.1E-07
216	BKGND	259722.72	4022257.94	259722.72, 4	0.002140814	0.000561188	2.79E-03	1.3E-06	3.3E-07	1.7E-06	4.0E-08	7.8E-08	3.9E-07	4.0E-08	6.8E-08	3.4E-07	4.5E-07
217	BKGND	259781.36	4022257.94	259781.36, 4	0.004587259	0.000817485	4.26E-03	2.7E-06	4.8E-07	2.5E-06	8.5E-08	1.1E-07	5.9E-07	8.5E-08	9.9E-08	5.1E-07	7.0E-07
218	BKGND	259840	4022257.94	259840, 402	0.021304946	0.00153759	7.10E-03	1.3E-05	9.1E-07	4.2E-06	4.0E-07	2.1E-07	9.9E-07	4.0E-07	1.9E-07	8.6E-07	1.4E-06
219	BKGND	259898.64	4022257.94	259898.64, 4	0.050383536	0.003264776	1.27E-02	3.0E-05	1.9E-06	7.5E-06	9.4E-07	4.6E-07	1.8E-06	9.4E-07	3.9E-07	1.5E-06	2.9E-06
220	BKGND	259957.28	4022257.94	259957.28, 4	0.051670435	0.004035845	2.54E-02	3.1E-05	2.4E-06	1.5E-05	9.6E-07	5.6E-07	3.5E-06	9.6E-07	4.9E-07	3.1E-06	4.5E-06
221	BKGND	260015.92	4022257.94	260015.92, 4	0.027905082	0.002320755	9.79E-02	1.7E-05	1.4E-06	5.8E-05	5.2E-07	3.2E-07	1.4E-05	5.2E-07	2.8E-07	1.2E-05	1.3E-05
222	BKGND	260074.56	4022257.94	260074.56, 4	0.007620579	0.0015318	3.52E-02	4.5E-06	9.1E-07	2.1E-05	1.4E-07	2.1E-07	4.9E-06	1.4E-07	1.9E-07	4.3E-06	4.6E-06
223	BKGND	260133.2	4022257.94	260133.2, 40	0.003182447	0.000904064	1.12E-02	1.9E-06	5.4E-07	6.6E-06	5.9E-08	1.3E-07	1.6E-06	5.9E-08	1.1E-07	1.4E-06	1.5E-06
224	BKGND	260191.84	4022257.94	260191.84, 4	0.001633011	0.000642605	5.44E-03	9.7E-07	3.8E-07	3.2E-06	3.0E-08	9.0E-08	7.6E-07	3.0E-08	7.8E-08	6.6E-07	7.7E-07
225	BKGND	260250.48	4022257.94	260250.48, 4	0.000969441	0.000494986	3.31E-03	5.7E-07	2.9E-07	2.0E-06	1.8E-08	6.9E-08	4.6E-07	1.8E-08	6.0E-08	4.0E-07	4.8E-07
226	BKGND	260309.12	4022257.94	260309.12, 4	0.000637029	0.000403218	2.27E-03	3.8E-07	2.4E-07	1.3E-06	1.2E-08	5.6E-08	3.2E-07	1.2E-08	4.9E-08	2.7E-07	3.3E-07
227	BKGND	260367.76	4022257.94	260367.76, 4	0.000450305	0.000341793	1.67E-03	2.7E-07	2.0E-07	9.9E-07	8.4E-09	4.8E-08	2.3E-07	8.4E-09	4.1E-08	2.0E-07	2.5E-07
228	BKGND	260426.4	4022257.94	260426.4, 40	0.000335832	0.000297167	1.28E-03	2.0E-07	1.8E-07	7.6E-07	6.2E-09	4.1E-08	1.8E-07	6.2E-09	3.6E-08	1.6E-07	2.0E-07
229	BKGND	260485.04	4022257.94	260485.04, 4	0.000261055	0.000261484	1.02E-03	1.5E-07	1.5E-07	6.1E-07	4.9E-09	3.6E-08	1.4E-07	4.9E-09	3.2E-08	1.2E-07	1.6E-07
230	BKGND	260543.68	4022257.94	260543.68, 4	0.000209339	0.000231855	8.39E-04	1.2E-07	1.4E-07	5.0E-07	3.9E-09	3.2E-08	1.2E-07	3.9E-09	2.8E-08	1.0E-07	1.3E-07
231	BKGND	260602.32	4022257.94	260602.32, 4	0.000172218	0.000206716	7.02E-04	1.0E-07	1.2E-07	4.2E-07	3.2E-09	2.9E-08	9.8E-08	3.2E-09	2.5E-08	8.5E-08	1.1E-07
232	BKGND	259429.52	4022301.46	259429.52, 4	0.000370974	0.000227179	8.16E-04	2.2E-07	1.3E-07	4.8E-07	6.9E-09	3.2E-08	1.1E-07	6.9E-09	2.7E-08	9.9E-08	1.3E-07
233	BKGND	259488.16	4022301.46	259488.16, 4	0.000476528	0.000254832	9.88E-04	2.8E-07	1.5E-07	5.8E-07	8.9E-09	3.6E-08	1.4E-07	8.9E-09	3.1E-08	1.2E-07	1.6E-07
234	BKGND	259546.8	4022301.46	259546.8, 40	0.000639806	0.000292793	1.23E-03	3.8E-07	1.7E-07	7.3E-07	1.2E-08	4.1E-08	1.7E-07	1.2E-08	3.5E-08	1.5E-07	2.0E-07
235	BKGND	259605.44	4022301.46	259605.44, 4	0.000911482	0.00034956	1.57E-03	5.4E-07	2.1E-07	9.3E-07	1.7E-08	4.9E-08	2.2E-07	1.7E-08	4.2E-08	1.9E-07	2.5E-07
236	BKGND	259664.08	4022301.46	259664.08, 4	0.001413009	0.000442368	2.10E-03	8.4E-07	2.6E-07	1.2E-06	2.6E-08	6.2E-08	2.9E-07	2.6E-08	5.3E-08	2.5E-07	3.3E-07
237	BKGND	259722.72	4022301.46	259722.72, 4	0.002501226	0.000608321	3.00E-03	1.5E-06	3.6E-07	1.8E-06	4.7E-08	8.5E-08	4.2E-07	4.7E-08	7.4E-08	3.6E-07	4.8E-07
238	BKGND	259781.36	4022301.46	259781.36, 4	0.005698219	0.000971811	4.69E-03	3.4E-06	5.8E-07	2.8E-06	1.1E-07	1.4E-07	6.5E-07	1.1E-07	1.2E-07	5.7E-07	7.9E-07
239	BKGND	259840	4022301.46	259840, 402	0.025976416	0.002381666	8.63E-03	1.5E-05	1.4E-06	5.1E-06	4.8E-07	3.3E-07	1.2E-06	4.8E-07	2.9E-07	1.0E-06	1.8E-06
240	BKGND	259898.64	4022301.46	259898.64, 4	0.052084316	0.007844376	2.17E-02	3.1E-05	4.6E-06	1.3E-05	9.7E-07	1.1E-06	3.0E-06	9.7E-07	9.5E-07	2.6E-06	4.5E-06
241	BKGND	259957.28	4022301.46	259957.28, 4	0.053129179	0.003764367	1.41E-01	3.1E-05	2.2E-06	8.4E-05	9.9E-07	5.3E-07	2.0E-05	9.9E-07	4.6E-07	1.7E-05	1.9E-05
242	BKGND	260015.92	4022301.46	260015.92, 4	0.025851956	0.001658093	1.78E-01	1.5E-05	9.8E-07	1.1E-04	4.8E-07	2.3E-07	2.5E-05	4.8E-07	2.0E-07	2.2E-05	2.2E-05
243	BKGND	260074.56	4022301.46	260074.56, 4	0.006414816	0.001360773	2.28E-02	3.8E-06	8.1E-07	1.4E-05	1.2E-07	1.9E-07	3.2E-06	1.2E-07	1.6E-07	2.8E-06	3.0E-06
244	BKGND	260133.2	4022301.46	260133.2, 40	0.002596083	0.000821191	8.51E-03	1.5E-06	4.9E-07	5.0E-06	4.8E-08	1.1E-07	1.2E-06	4.8E-08	9.9E-08	1.0E-06	1.2E-06
245	BKGND	260191.84	4022301.46	260191.84, 4	0.001360913	0.0005852	4.59E-03	8.1E-07	3.5E-07	2.7E-06	2.5E-08	8.2E-08	6.4E-07	2.5E-08	7.1E-08	5.5E-07	6.5E-07
246	BKGND	260250.48	4022301.46	260250.48, 4	0.000832879	0.000451709	2.92E-03	4.9E-07	2.7E-07	1.7E-06	1.5E-08	6.3E-08	4.1E-07	1.5E-08	5.5E-08	3.5E-07	4.2E-07
247	BKGND	260309.12	4022301.46	260309.12, 4	0.000561445	0.00036985	2.04E-03	3.3E-07	2.2E-07	1.2E-06	1.0E-08	5.2E-08	2.8E-07	1.0E-08	4.5E-08	2.5E-07	3.0E-07
248	BKGND	260367.76	4022301.46	260367.76, 4	0.000404	0.000314629	1.52E-03	2.4E-07	1.9E-07	9.0E-07	7.5E-09	4.4E-08	2.1E-07	7.5E-09	3.8E-08	1.8E-07	2.3E-07
249	BKGND	260426.4	4022301.46	260426.4, 40	0.00030687	0.000272582	1.18E-03	1.8E-07	1.6E-07	7.0E-07	5.7E-09	3.8E-08	1.6E-07	5.7E-09	3.3E-08	1.4E-07	1.8E-07
250	BKGND	260485.04	4022301.46	260485.04, 4	0.000241418	0.000237997	9.49E-04	1.4E-07	1.4E-07	5.6E-07	4.5E-09	3.3E-08	1.3E-07	4.5E-09	2.9E-08	1.1E-07	1.5E-07
251	BKGND	260543.68	4022301.46	260543.68, 4	0.000195517	0.000208748	7.81E-04	1.2E-07	1.2E-07	4.6E-07	3.6E-09	2.9E-08	1.1E-07	3.6E-09	2.5E-08	9.4E-08	1.2E-07
252	BKGND	260602.32	4022301.46	260602.32, 4	0.000162627	0.000184721	6.57E-04	9.6E-08	1.1E-07	3.9E-07	3.0E-09	2.6E-08	9.2E-08	3.0E-09	2.2E-08	7.9E-08	1.0E-07
253	BKGND	259429.52	4022344.98	259429.52, 4	0.000382467	0.000219493	8.35E-04	2.3E-07	1.3E-07	4.9E-07	7.1E-09	3.1E-08	1.2E-07	7.1E-09	2.7E-08	1.0E-07	1.3E-07
254	BKGND	259488.16	4022344.98	259488.16, 4	0.00049336	0.000250472	1.01E-03	2.9E-07	1.5E-07	6.0E-07	9.2E-09	3.5E-08	1.4E-07	9.2E-09	3.0E-08	1.2E-07	1.6E-07
255	BKGND	259546.8	4022344.98	259546.8, 40	0.000666044	0.000293321	1.26E-03	3.9E-07	1.7E-07	7.5E-07	1.2E-08	4.1E-08	1.8E-07	1.2E-08	3.5E-08	1.5E-07	2.0E-07
256	BKGND	259605.44	4022344.98	259605.44, 4	0.000955557	0.000359065	1.63E-03	5.7E-07	2.1E-07	9.6E-07	1.8E-08	5.0E-08	2.3E-07	1.8E-08	4.3E-08	2.0E-07	2.6E-07
257	BKGND	259664.08	4022344.98	259664.08, 4	0.001493507	0.000467959	2.19E-03	8.8E-07	2.8E-07	1.3E-06	2.8E-08	6.5E-08	3.1E-07	2.8E-08	5.7E-08	2.6E-07	3.5E-07
258	BKGND	259722.72	4022344.98	259722.72, 4	0.00265925	0.000650001	3.13E-03	1.6E-06	3.8E-07	1.9E-06	4.9E-08	9.1E-08	4.4E-07	4.9E-08	7.9E-08	3.8E-07	5.1E-07
259	BKGND	259781.36	4022344.98	259781.36, 4	0.005996161	0.00103125	4.93E-03	3.5E-06	6.1E-07	2.9E-06	1.1E-07	1.4E-07	6.9E-07	1.1E-07	1.2E-07	6.0E-07	8.3E-07
260	BKGND	259840	4022344.98	259840, 402	0.022370934	0.002610335	9.13E-03	1.3E-05	1.5E-06	5.4E-06	4.2E-07	3.6E-07	1.3E-06	4.2E-07	3.2E-07	1.1E-06	1.8E-06
261	BKGND	259898.64	4022344.98	259898.64, 4	0.048564112	0.008810538	2.36E-02	2.9E-05	5.2E-06	1.4E-05	9.0E-07	1.2E-06	3.3E-06	9.0E-07	1.1E-06	2.9E-06	4.8E-06
262	BKGND	259957.28	4022344.98	259957.28, 4	0.048938794	0.002312542	1.78E-01	2.9E-05	1.4E-06	1.1E-04	9.1E-07	3.2E-07	2.5E-05	9.1E-07	2.8E-07	2.2E-05	2.3E-05
263	BKGND	260015.92	4022344.98	260015.92, 4	0.020350735	0.001379203	6.82E-02	1.2E-05	8.2E-07	4.0E-05	3.8E-07	1.9E-07	9.5E-06	3.8E-07	1.7E-07	8.2E-06	8.8E-06
264	BKGND	260074.56	4022344.98	260074.56, 4	0.004659784	0.001273895	1.52E-02	2.8E-06	7.5E-07	9.0E-06	8.7E-08	1.8E-07	2.1E-06	8.7E-08	1.5E-07	1.8E-06	2.1E-06
265	BKGND	260133.2	4022344.98	260133.2, 40	0.002017646	0.000762614	6.85E-03	1.2E-06	4.5E-07	4.1E-06	3.8E-08	1.1E-07	9.6E-07	3.8E-08	9.2E-08	8.3E-07	9.6E-07
266	BKGND	260191.84	4022344.98	260191.84, 4	0.001119797	0.000539699	3.94E-03	6.6E-07	3.2E-07	2.3E-06	2.1E-08	7.5E-08	5.5E-07	2.1E-08	6.5E-08	4.8E-07	5.6E-07
267	BKGND	260250.48	4022344.98	260250.48, 4	0.000714263	0.00042062	2.58E-03	4.2E-07	2.5E-07	1.5E-06	1.3E-08	5.9E-08	3.6E-07	1.3E-08	5.1E-08	3.1E-07	3.8E-07
268	BKGND	260309.12	4022344.98	260309.12, 4	0.000496119	0.000347508	1.84E-03	2.9E-07	2.1E-07	1.1E-06	9.2E-09	4.8E-08	2.6E-07	9.2E-09	4.2E-08	2.2E-07	2.7E-07
269	BKGND	260367.76	4022344.98	260367.76, 4	0.000366458	0.000295837	1.39E-03	2.2E-07	1.8E-07	8.2E-07	6.8E-09	4.1E-08	1.9E-07	6.8E-09	3.6E-08	1.7E-07	2.1E-07
270	BKGND	260426.4	4022344.98	260426.4, 40	0.000282354	0.000254496	1.09E-03	1.7E-07	1.5E-07	6.5E-07	5.3E-09	3.5E-08	1.5E-07	5.3E-09	3.1E-08	1.3E-07	1.7E-07
271	BKGND	260485.04	4022344.98	260485.04, 4	0.000224656	0.000219198	8.84E-04	1.3E-07	1.3E-07	5.2E-07	4.2E-09	3.1E-08	1.2E-07	4.2E-09	2.6E-08	1.1E-07	1.4E-07
272	BKGND	260543.68	4022344.98	260543.68, 4	0.000184241	0.000190082	7.33E-04	1.1E-07	1.1E-07	4.3E-07	3.4E-09	2.7E-08	1.0E-07	3.4E-09	2.3E-08	8.9E-08	1.1E-07
273	BKGND	260602.32	4022344.98	260602.32, 4	0.000154113	0.00016719	6.19E-04	9.1E-08	9.9E-08	3.7E-07	2.9E-09	2.3E-08	8.6E-08	2.9E-09	2.0E-08	7.5E-08	9.8E-08
274	BKGND	259429.52	4022388.5	259429.52, 4	0.000390427	0.000215331	8.45E-04	2.3E-07	1.3E-07	5.0E-07	7.3E-09	3.0E-08	1.2E-07	7.3E-09	2.6E-08	1.0E-07	1.4E-07
275	BKGND	259488.16	4022388.5	259488.16, 4	0.000503446	0.000250575	1.02E-03	3.0E-07	1.5E-07	6.1E-07	9.4E-09	3.5E-08	1.4E-07	9.4E-09	3.0E-08	1.2E-07	1.6E-07
276	BKGND	259546.8	4022388.5	259546.8, 40	0.000678271	0.000299977	1.27E-03	4.0E-07	1.8E-07	7.5E-07	1.3E-08	4.2E-08	1.8E-07	1.3E-08	3.6E-08	1.5E-07	2.0E-07
277	BKGND	259605.44	4022388.5	259605.44, 4	0.000967061	0.000379912	1.62E-03	5.7E-07	2.2E-07	9.6E-07	1.8E-08	5.3E-08	2.3E-07	1.8E-08	4.6E-08	2.0E-07	2.6E-07
278	BKGND	259664.08	4022388.5	259664.08, 4	0.001487932	0.00050944	2.16E-03	8.8E-07	3.0E-07	1.3E-06	2.8E-08	7.1E-08	3.0E-07	2.8E-08	6.2E-08	2.6E-07	3.5E-07
279	BKGND	259722.72	4022388.5	259722.72, 4	0.002565236	0.000680944	3.03E-03	1.5E-06	4.0E-07	1.8E-06	4.8E-08	9.5E-08	4.2E-07	4.8E-08	8.2E-08	3.7E-07	5.0E-07
280	BKGND	259781.36	4022388.5	259781.36, 4	0.005492321	0.000976416	4.61E-03	3.3E-06	5.8E-07	2.7E-06	1.0E-07	1.4E-07	6.4E-07	1.0E-07	1.2E-07	5.6E-07	7.8E-07
281	BKGND	259840	4022388.5	259840, 402	0.021866962	0.001738731	7.90E-03	1.3E-05	1.0E-06	4.7E-06	4.1E-07	2.4E-07	1.1E-06	4.1E-07	2.1E-07	9.6E-07	1.6E-06
282	BKGND	259898.64	4022388.5	259898.64, 4	0.03624442	0.002750779	1.57E-02	2.1E-05	1.6E-06	9.3E-06	6.7E-07	3.8E-07	2.2E-06	6.7E-07	3.3E-07	1.9E-06	2.9E-06
283	BKGND	259957.28	4022388.5	259957.28, 4	0.035981031	0.001635178	3.67E-02	2.1E-05	9.7E-07	2.2E-05	6.7E-07	2.3E-07	5.1E-06	6.7E-07	2.0E-07	4.4E-06	5.3E-06
284	BKGND	260015.92	4022388.5	260015.92, 4	0.011315292	0.001282442	2.28E-02	6.7E-06	7.6E-07	1.3E-05	2.1E-07	1.8E-07	3.2E-06	2.1E-07	1.6E-07	2.8E-06	3.1E-06
285	BKGND	260074.56	4022388.5	260074.56, 4	0.003086705	0.00125156	9.79E-03	1.8E-06	7.4E-07	5.8E-06	5.7E-08	1.7E-07	1.4E-06	5.7E-08	1.5E-07	1.2E-06	1.4E-06
286	BKGND	260133.2	4022388.5	260133.2, 40	0.001560535	0.000721534	5.44E-03	9.2E-07	4.3E-07	3.2E-06	2.9E-08	1.0E-07	7.6E-07	2.9E-08	8.7E-08	6.6E-07	7.7E-07
287	BKGND	260191.84	4022388.5	260191.84, 4	0.000925069	0.000512146	3.46E-03	5.5E-07	3.0E-07	2.0E-06	1.7E-08	7.1E-08	4.8E-07	1.7E-08	6.2E-08	4.2E-07	5.0E-07
288	BKGND	260250.48	4022388.5	260250.48, 4	0.000614516	0.000405214	2.38E-03	3.6E-07	2.4E-07	1.4E-06	1.1E-08	5.7E-08	3.3E-07	1.1E-08	4.9E-08	2.9E-07	3.5E-07
289	BKGND	260309.12	4022388.5	260309.12, 4	0.000439823	0.000336721	1.74E-03	2.6E-07	2.0E-07	1.0E-06	8.2E-09	4.7E-08	2.4E-07	8.2E-09	4.1E-08	2.1E-07	2.6E-07
290	BKGND	260367.76	4022388.5	260367.76, 4	0.00033178	0.000285152	1.33E-03	2.0E-07	1.7E-07	7.9E-07	6.2E-09	4.0E-08	1.9E-07	6.2E-09	3.4E-08	1.6E-07	2.0E-07
291	BKGND	260426.4	4022388.5	260426.4, 40	0.000259725	0.000240844	1.05E-03	1.5E-07	1.4E-07	6.2E-07	4.8E-09	3.4E-08	1.5E-07	4.8E-09	2.9E-08	1.3E-07	1.6E-07
292	BKGND	260485.04	4022388.5	260485.04, 4	0.000210313	0.000203283	8.53E-04	1.2E-07	1.2E-07	5.0E-07	3.9E-09	2.8E-08	1.2E-07	3.9E-09	2.5E-08	1.0E-07	1.3E-07
293	BKGND	260543.68	4022388.5	260543.68, 4	0.000173902	0.000174495	7.09E-04	1.0E-07	1.0E-07	4.2E-07	3.2E-09	2.4E-08	9.9E-08	3.2E-09	2.1E-08	8.6E-08	1.1E-07
294	BKGND	260602.32	4022388.5	260602.32, 4	0.000147031	0.000153166	6.00E-04	8.7E-08	9.1E-08	3.6E-07	2.7E-09	2.1E-08	8.4E-08	2.7E-09	1.9E-08	7.3E-08	9.4E-08
295	BKGND	259429.52	4022432.02	259429.52, 4	0.000394462	0.000211984	8.34E-04	2.3E-07	1.3E-07	4.9E-07	7.3E-09	3.0E-08	1.2E-07	7.3E-09	2.6E-08	1.0E-07	1.3E-07
296	BKGND	259488.16	4022432.02	259488.16, 4	0.000506171	0.00025425	1.00E-03	3.0E-07	1.5E-07	5.9E-07	9.4E-09	3.5E-08	1.4E-07	9.4E-09	3.1E-08	1.2E-07	1.6E-07
297	BKGND	259546.8	4022432.02	259546.8, 40	0.000675156	0.000318299	1.23E-03	4.0E-07	1.9E-07	7.3E-07	1.3E-08	4.4E-08	1.7E-07	1.3E-08	3.8E-08	1.5E-07	2.0E-07
298	BKGND	259605.44	4022432.02	259605.44, 4	0.000944193	0.000442852	1.54E-03	5.6E-07	2.6E-07	9.1E-07	1.8E-08	6.2E-08	2.2E-07	1.8E-08	5.4E-08	1.9E-07	2.6E-07
299	BKGND	259664.08	4022432.02	259664.08, 4	0.001402691	0.000599916	2.01E-03	8.3E-07	3.6E-07	1.2E-06	2.6E-08	8.4E-08	2.8E-07	2.6E-08	7.3E-08	2.4E-07	3.4E-07
300	BKGND	259722.72	4022432.02	259722.72, 4	0.002275187	0.000740331	2.75E-03	1.3E-06	4.4E-07	1.6E-06	4.2E-08	1.0E-07	3.8E-07	4.2E-08	9.0E-08	3.3E-07	4.6E-07
301	BKGND	259781.36	4022432.02	259781.36, 4	0.004284146	0.000950747	3.96E-03	2.5E-06	5.6E-07	2.3E-06	8.0E-08	1.3E-07	5.5E-07	8.0E-08	1.1E-07	4.8E-07	6.7E-07
302	BKGND	259840	4022432.02	259840, 402	0.010088183	0.00132404	5.91E-03	6.0E-06	7.8E-07	3.5E-06	1.9E-07	1.8E-07	8.2E-07	1.9E-07	1.6E-07	7.1E-07	1.1E-06
303	BKGND	259898.64	4022432.02	259898.64, 4	0.01359437	0.001656424	9.05E-03	8.0E-06	9.8E-07	5.4E-06	2.5E-07	2.3E-07	1.3E-06	2.5E-07	2.0E-07	1.1E-06	1.5E-06
304	BKGND	259957.28	4022432.02	259957.28, 4	0.011441575	0.001530781	1.36E-02	6.8E-06	9.1E-07	8.0E-06	2.1E-07	2.1E-07	1.9E-06	2.1E-07	1.9E-07	1.6E-06	2.0E-06
305	BKGND	260015.92	4022432.02	260015.92, 4	0.004715568	0.001568932	1.04E-02	2.8E-06	9.3E-07	6.1E-06	8.8E-08	2.2E-07	1.4E-06	8.8E-08	1.9E-07	1.3E-06	1.5E-06
306	BKGND	260074.56	4022432.02	260074.56, 4	0.00208958	0.001337566	6.35E-03	1.2E-06	7.9E-07	3.8E-06	3.9E-08	1.9E-07	8.9E-07	3.9E-08	1.6E-07	7.7E-07	9.7E-07
307	BKGND	260133.2	4022432.02	260133.2, 40	0.001227369	0.000685597	4.05E-03	7.3E-07	4.1E-07	2.4E-06	2.3E-08	9.6E-08	5.6E-07	2.3E-08	8.3E-08	4.9E-07	6.0E-07
308	BKGND	260191.84	4022432.02	260191.84, 4	0.000775509	0.000503321	2.79E-03	4.6E-07	3.0E-07	1.6E-06	1.4E-08	7.0E-08	3.9E-07	1.4E-08	6.1E-08	3.4E-07	4.1E-07
309	BKGND	260250.48	4022432.02	260250.48, 4	0.000532556	0.000403919	2.07E-03	3.2E-07	2.4E-07	1.2E-06	9.9E-09	5.6E-08	2.9E-07	9.9E-09	4.9E-08	2.5E-07	3.1E-07
310	BKGND	260309.12	4022432.02	260309.12, 4	0.000389737	0.000335335	1.59E-03	2.3E-07	2.0E-07	9.4E-07	7.2E-09	4.7E-08	2.2E-07	7.2E-09	4.1E-08	1.9E-07	2.4E-07
311	BKGND	260367.76	4022432.02	260367.76, 4	0.000299307	0.000279023	1.25E-03	1.8E-07	1.7E-07	7.4E-07	5.6E-09	3.9E-08	1.7E-07	5.6E-09	3.4E-08	1.5E-07	1.9E-07
312	BKGND	260426.4	4022432.02	260426.4, 40	0.000238491	0.000228192	1.01E-03	1.4E-07	1.4E-07	6.0E-07	4.4E-09	3.2E-08	1.4E-07	4.4E-09	2.8E-08	1.2E-07	1.5E-07
313	BKGND	260485.04	4022432.02	260485.04, 4	0.000195668	0.000188661	8.31E-04	1.2E-07	1.1E-07	4.9E-07	3.6E-09	2.6E-08	1.2E-07	3.6E-09	2.3E-08	1.0E-07	1.3E-07
314	BKGND	260543.68	4022432.02	260543.68, 4	0.000163665	0.000161317	6.96E-04	9.7E-08	9.5E-08	4.1E-07	3.0E-09	2.3E-08	9.7E-08	3.0E-09	2.0E-08	8.4E-08	1.1E-07
315	BKGND	260602.32	4022432.02	260602.32, 4	0.000139619	0.000141888	5.91E-04	8.3E-08	8.4E-08	3.5E-07	2.6E-09	2.0E-08	8.2E-08	2.6E-09	1.7E-08	7.1E-08	9.1E-08
316	BKGND	259429.52	4022475.54	259429.52, 4	0.00039306	0.000207109	8.02E-04	2.3E-07	1.2E-07	4.7E-07	7.3E-09	2.9E-08	1.1E-07	7.3E-09	2.5E-08	9.7E-08	1.3E-07
317	BKGND	259488.16	4022475.54	259488.16, 4	0.000499427	0.000261247	9.53E-04	3.0E-07	1.5E-07	5.6E-07	9.3E-09	3.6E-08	1.3E-07	9.3E-09	3.2E-08	1.2E-07	1.6E-07
318	BKGND	259546.8	4022475.54	259546.8, 40	0.000654748	0.000381947	1.16E-03	3.9E-07	2.3E-07	6.8E-07	1.2E-08	5.3E-08	1.6E-07	1.2E-08	4.6E-08	1.4E-07	2.0E-07
319	BKGND	259605.44	4022475.54	259605.44, 4	0.000889787	0.000711279	1.44E-03	5.3E-07	4.2E-07	8.5E-07	1.7E-08	9.9E-08	2.0E-07	1.7E-08	8.6E-08	1.7E-07	2.8E-07
320	BKGND	259664.08	4022475.54	259664.08, 4	0.001260466	0.000835911	1.84E-03	7.5E-07	4.9E-07	1.1E-06	2.3E-08	1.2E-07	2.6E-07	2.3E-08	1.0E-07	2.2E-07	3.5E-07
321	BKGND	259722.72	4022475.54	259722.72, 4	0.001892907	0.000942713	2.41E-03	1.1E-06	5.6E-07	1.4E-06	3.5E-08	1.3E-07	3.4E-07	3.5E-08	1.1E-07	2.9E-07	4.4E-07
322	BKGND	259781.36	4022475.54	259781.36, 4	0.003049697	0.001195449	3.18E-03	1.8E-06	7.1E-07	1.9E-06	5.7E-08	1.7E-07	4.4E-07	5.7E-08	1.4E-07	3.8E-07	5.9E-07
323	BKGND	259840	4022475.54	259840, 402	0.004775786	0.001808528	4.16E-03	2.8E-06	1.1E-06	2.5E-06	8.9E-08	2.5E-07	5.8E-07	8.9E-08	2.2E-07	5.0E-07	8.1E-07
324	BKGND	259898.64	4022475.54	259898.64, 4	0.005392964	0.001652569	5.88E-03	3.2E-06	9.8E-07	3.5E-06	1.0E-07	2.3E-07	8.2E-07	1.0E-07	2.0E-07	7.1E-07	1.0E-06
325	BKGND	259957.28	4022475.54	259957.28, 4	0.004417967	0.001453401	7.02E-03	2.6E-06	8.6E-07	4.2E-06	8.2E-08	2.0E-07	9.8E-07	8.2E-08	1.8E-07	8.5E-07	1.1E-06
326	BKGND	260015.92	4022475.54	260015.92, 4	0.002573383	0.001499987	6.01E-03	1.5E-06	8.9E-07	3.6E-06	4.8E-08	2.1E-07	8.4E-07	4.8E-08	1.8E-07	7.3E-07	9.6E-07
327	BKGND	260074.56	4022475.54	260074.56, 4	0.00147451	0.00136467	4.21E-03	8.7E-07	8.1E-07	2.5E-06	2.7E-08	1.9E-07	5.9E-07	2.7E-08	1.6E-07	5.1E-07	7.0E-07

328	BKGNI	260133.2	4022475.54	260133.2, 4	0.000982244	0.000694253	3.16E-03	5.8E-07	4.1E-07	1.9E-06	1.8E-08	9.7E-08	4.4E-07	1.8E-08	8.4E-08	3.8E-07	4.8E-07
329	BKGNI	260191.84	4022475.54	260191.84,	0.000656015	0.000520085	2.26E-03	3.9E-07	3.1E-07	1.3E-06	1.2E-08	7.3E-08	3.1E-07	1.2E-08	6.3E-08	2.7E-07	3.5E-07
330	BKGNI	260250.48	4022475.54	260250.48,	0.000466526	0.00041637	1.71E-03	2.8E-07	2.5E-07	1.0E-06	8.7E-09	5.8E-08	2.4E-07	8.7E-09	5.0E-08	2.1E-07	2.7E-07
331	BKGNI	260309.12	4022475.54	260309.12,	0.000348166	0.000341796	1.37E-03	2.1E-07	2.0E-07	8.1E-07	6.5E-09	4.8E-08	1.9E-07	6.5E-09	4.1E-08	1.7E-07	2.1E-07
332	BKGNI	260367.76	4022475.54	260367.76,	0.000270763	0.000272251	1.12E-03	1.6E-07	1.6E-07	6.7E-07	5.0E-09	3.8E-08	1.6E-07	5.0E-09	3.3E-08	1.4E-07	1.7E-07
333	BKGNI	260426.4	4022475.54	260426.4, 4	0.000217892	0.000212902	9.36E-04	1.3E-07	1.3E-07	5.5E-07	4.1E-09	3.0E-08	1.3E-07	4.1E-09	2.6E-08	1.1E-07	1.4E-07
334	BKGNI	260485.04	4022475.54	260485.04,	0.000180719	0.000174472	7.89E-04	1.1E-07	1.0E-07	4.7E-07	3.4E-09	2.4E-08	1.1E-07	3.4E-09	2.1E-08	9.5E-08	1.2E-07
335	BKGNI	260543.68	4022475.54	260543.68,	0.00015291	0.0001498	6.71E-04	9.0E-08	8.9E-08	4.0E-07	2.8E-09	2.1E-08	9.4E-08	2.8E-09	1.8E-08	8.1E-08	1.0E-07
336	BKGNI	260602.32	4022475.54	260602.32,	0.000131676	0.000132389	5.77E-04	7.8E-08	7.8E-08	3.4E-07	2.4E-09	1.8E-08	8.0E-08	2.4E-09	1.6E-08	7.0E-08	8.8E-08
337	BKGNI	259429.52	4022519.06	259429.52,	0.000386659	0.000199478	7.64E-04	2.3E-07	1.2E-07	4.5E-07	7.2E-09	2.8E-08	1.1E-07	7.2E-09	2.4E-08	9.2E-08	1.2E-07
338	BKGNI	259488.16	4022519.06	259488.16,	0.000481715	0.000260209	9.03E-04	2.9E-07	1.5E-07	5.3E-07	9.0E-09	3.6E-08	1.3E-07	9.0E-09	3.1E-08	1.1E-07	1.5E-07
339	BKGNI	259546.8	4022519.06	259546.8, 4	0.000616052	0.000564761	1.09E-03	3.6E-07	3.3E-07	6.4E-07	1.1E-08	7.9E-08	1.5E-07	1.1E-08	6.8E-08	1.3E-07	2.1E-07
340	BKGNI	259605.44	4022519.06	259605.44,	0.000805282	0.000948256	1.33E-03	4.8E-07	5.6E-07	7.9E-07	1.5E-08	1.3E-07	1.9E-07	1.5E-08	1.1E-07	1.6E-07	2.9E-07
341	BKGNI	259664.08	4022519.06	259664.08,	0.00108645	0.001081494	1.64E-03	6.4E-07	6.4E-07	9.7E-07	2.0E-08	1.5E-07	2.3E-07	2.0E-08	1.3E-07	2.0E-07	3.5E-07
342	BKGNI	259722.72	4022519.06	259722.72,	0.001509934	0.000993357	2.02E-03	8.9E-07	5.9E-07	1.2E-06	2.8E-08	1.4E-07	2.8E-07	2.8E-08	1.2E-07	2.4E-07	3.9E-07
343	BKGNI	259781.36	4022519.06	259781.36,	0.002164708	0.001271271	2.47E-03	1.3E-06	7.5E-07	1.5E-06	4.0E-08	1.8E-07	3.4E-07	4.0E-08	1.5E-07	3.0E-07	4.9E-07
344	BKGNI	259840	4022519.06	259840, 402	0.002862496	0.001045935	3.10E-03	1.7E-06	6.2E-07	1.8E-06	5.3E-08	1.5E-07	4.3E-07	5.3E-08	1.3E-07	3.7E-07	5.5E-07
345	BKGNI	259898.64	4022519.06	259898.64,	0.003083135	0.000876745	4.19E-03	1.8E-06	5.2E-07	2.5E-06	5.7E-08	1.2E-07	5.8E-07	5.7E-08	1.1E-07	5.1E-07	6.7E-07
346	BKGNI	259957.28	4022519.06	259957.28,	0.002610483	0.000765055	4.49E-03	1.5E-06	4.5E-07	2.7E-06	4.9E-08	1.1E-07	6.3E-07	4.9E-08	9.2E-08	5.4E-07	6.8E-07
347	BKGNI	260015.92	4022519.06	260015.92,	0.001757436	0.000800462	4.12E-03	1.0E-06	4.7E-07	2.4E-06	3.3E-08	1.1E-07	5.7E-07	3.3E-08	9.7E-08	5.0E-07	6.3E-07
348	BKGNI	260074.56	4022519.06	260074.56,	0.001068225	0.001063998	2.94E-03	6.3E-07	6.3E-07	1.7E-06	2.0E-08	1.5E-07	4.1E-07	2.0E-08	1.3E-07	3.6E-07	5.0E-07
349	BKGNI	260133.2	4022519.06	260133.2, 4	0.000789222	0.000834636	2.44E-03	4.7E-07	4.9E-07	1.4E-06	1.5E-08	1.2E-07	3.4E-07	1.5E-08	1.0E-07	2.9E-07	4.1E-07
350	BKGNI	260191.84	4022519.06	260191.84,	0.000560047	0.000586419	1.90E-03	3.3E-07	3.5E-07	1.1E-06	1.0E-08	8.2E-08	2.7E-07	1.0E-08	7.1E-08	2.3E-07	3.1E-07
351	BKGNI	260250.48	4022519.06	260250.48,	0.000411116	0.000456366	1.46E-03	2.4E-07	2.7E-07	8.7E-07	7.6E-09	6.4E-08	2.0E-07	7.6E-09	5.5E-08	1.8E-07	2.4E-07
352	BKGNI	260309.12	4022519.06	260309.12,	0.000313096	0.000359345	1.17E-03	1.9E-07	2.1E-07	6.9E-07	5.8E-09	5.0E-08	1.6E-07	5.8E-09	4.3E-08	1.4E-07	1.9E-07
353	BKGNI	260367.76	4022519.06	260367.76,	0.000246059	0.000258142	9.78E-04	1.5E-07	1.5E-07	5.8E-07	4.6E-09	3.6E-08	1.4E-07	4.6E-09	3.1E-08	1.2E-07	1.5E-07
354	BKGNI	260426.4	4022519.06	260426.4, 4	0.000199535	0.000194737	8.34E-04	1.2E-07	1.2E-07	4.9E-07	3.7E-09	2.7E-08	1.2E-07	3.7E-09	2.4E-08	1.0E-07	1.3E-07
355	BKGNI	260485.04	4022519.06	260485.04,	0.000166404	0.000160985	7.21E-04	9.8E-08	9.5E-08	4.3E-07	3.1E-09	2.2E-08	1.0E-07	3.1E-09	1.9E-08	8.7E-08	1.1E-07
356	BKGNI	260543.68	4022519.06	260543.68,	0.000141585	0.000139623	6.27E-04	8.4E-08	8.3E-08	3.7E-07	2.6E-09	1.9E-08	8.7E-08	2.6E-09	1.7E-08	7.6E-08	9.5E-08
357	BKGNI	260602.32	4022519.06	260602.32,	0.000122822	0.000124059	5.48E-04	7.3E-08	7.3E-08	3.2E-07	2.3E-09	1.7E-08	7.6E-08	2.3E-09	1.5E-08	6.6E-08	8.4E-08
358	BKGNI	259429.52	4022562.58	259429.52,	0.000373087	0.000188673	7.28E-04	2.2E-07	1.1E-07	4.3E-07	6.9E-09	2.6E-08	1.0E-07	6.9E-09	2.3E-08	8.8E-08	1.2E-07
359	BKGNI	259488.16	4022562.58	259488.16,	0.000455368	0.000239278	8.54E-04	2.7E-07	1.4E-07	5.1E-07	8.5E-09	3.3E-08	1.2E-07	8.5E-09	2.9E-08	1.0E-07	1.4E-07
360	BKGNI	259546.8	4022562.58	259546.8, 4	0.000565758	0.00035108	1.01E-03	3.3E-07	2.1E-07	6.0E-07	1.1E-08	4.9E-08	1.4E-07	1.1E-08	4.2E-08	1.2E-07	1.8E-07
361	BKGNI	259605.44	4022562.58	259605.44,	0.000714868	0.000496892	1.20E-03	4.2E-07	2.9E-07	7.1E-07	1.3E-08	6.9E-08	1.7E-07	1.3E-08	6.0E-08	1.4E-07	2.2E-07
362	BKGNI	259664.08	4022562.58	259664.08,	0.000919639	0.000586901	1.41E-03	5.4E-07	3.5E-07	8.4E-07	1.7E-08	8.2E-08	2.0E-07	1.7E-08	7.1E-08	1.7E-07	2.6E-07
363	BKGNI	259722.72	4022562.58	259722.72,	0.001205564	0.000634983	1.66E-03	7.1E-07	3.8E-07	9.8E-07	2.2E-08	8.9E-08	2.3E-07	2.2E-08	7.7E-08	2.0E-07	3.0E-07
364	BKGNI	259781.36	4022562.58	259781.36,	0.001572299	0.000631577	1.95E-03	9.3E-07	3.7E-07	1.2E-06	2.9E-08	8.8E-08	2.7E-07	2.9E-08	7.6E-08	2.4E-07	3.4E-07
365	BKGNI	259840	4022562.58	259840, 402	0.001879131	0.000615239	2.46E-03	1.1E-06	3.6E-07	1.5E-06	3.5E-08	8.6E-08	3.4E-07	3.5E-08	7.4E-08	3.0E-07	4.1E-07
366	BKGNI	259898.64	4022562.58	259898.64,	0.001924896	0.000593296	3.04E-03	1.1E-06	3.5E-07	1.8E-06	3.6E-08	8.3E-08	4.2E-07	3.6E-08	7.2E-08	3.7E-07	4.8E-07
367	BKGNI	259957.28	4022562.58	259957.28,	0.001662318	0.000556804	3.10E-03	9.8E-07	3.3E-07	1.8E-06	3.1E-08	7.8E-08	4.3E-07	3.1E-08	6.7E-08	3.7E-07	4.7E-07
368	BKGNI	260015.92	4022562.58	260015.92,	0.001236142	0.000577466	2.95E-03	7.3E-07	3.4E-07	1.7E-06	2.3E-08	8.1E-08	4.1E-07	2.3E-08	7.0E-08	3.6E-07	4.5E-07
369	BKGNI	260074.56	4022562.58	260074.56,	0.000866048	0.000835356	2.32E-03	5.1E-07	4.9E-07	1.4E-06	1.6E-08	1.2E-07	3.2E-07	1.6E-08	1.0E-07	2.8E-07	4.0E-07
370	BKGNI	260133.2	4022562.58	260133.2, 4	0.000640804	0.00144912	1.89E-03	3.8E-07	8.6E-07	1.1E-06	1.2E-08	2.0E-07	2.6E-07	1.2E-08	1.8E-07	2.3E-07	4.2E-07
371	BKGNI	260191.84	4022562.58	260191.84,	0.000481077	0.000787877	1.59E-03	2.8E-07	4.7E-07	9.4E-07	8.9E-09	1.1E-07	2.2E-07	8.9E-09	9.5E-08	1.9E-07	3.0E-07
372	BKGNI	260250.48	4022562.58	260250.48,	0.000365197	0.000568472	1.29E-03	2.2E-07	3.4E-07	7.6E-07	6.8E-09	7.9E-08	1.8E-07	6.8E-09	6.9E-08	1.6E-07	2.3E-07
373	BKGNI	260309.12	4022562.58	260309.12,	0.000284195	0.000381083	1.04E-03	1.7E-07	2.3E-07	6.1E-07	5.3E-09	5.3E-08	1.4E-07	5.3E-09	4.6E-08	1.3E-07	1.8E-07
374	BKGNI	260367.76	4022562.58	260367.76,	0.000226281	0.000230632	8.62E-04	1.3E-07	1.4E-07	5.1E-07	4.2E-09	3.2E-08	1.2E-07	4.2E-09	2.8E-08	1.0E-07	1.4E-07
375	BKGNI	260426.4	4022562.58	260426.4, 4	0.000184573	0.000176738	7.38E-04	1.1E-07	1.0E-07	4.4E-07	3.4E-09	2.5E-08	1.0E-07	3.4E-09	2.1E-08	8.9E-08	1.1E-07
376	BKGNI	260485.04	4022562.58	260485.04,	0.000154243	0.000148898	6.45E-04	9.1E-08	8.8E-08	3.8E-07	2.9E-09	2.1E-08	9.0E-08	2.9E-09	1.8E-08	7.8E-08	9.9E-08
377	BKGNI	260543.68	4022562.58	260543.68,	0.000131236	0.000130493	5.70E-04	7.8E-08	7.7E-08	3.4E-07	2.4E-09	1.8E-08	8.0E-08	2.4E-09	1.6E-08	6.9E-08	8.7E-08
378	BKGNI	260602.32	4022562.58	260602.32,	0.000114284	0.000116602	5.08E-04	6.8E-08	6.9E-08	3.0E-07	2.1E-09	1.6E-08	7.1E-08	2.1E-09	1.4E-08	6.1E-08	7.8E-08
379	BKGNI	259429.52	4022606.1	259429.52,	0.000353333	0.000175115	6.91E-04	2.1E-07	1.0E-07	4.1E-07	6.6E-09	2.4E-08	9.6E-08	6.6E-09	2.1E-08	8.4E-08	1.1E-07
380	BKGNI	259488.16	4022606.1	259488.16,	0.000421448	0.000211461	7.97E-04	2.5E-07	1.3E-07	4.7E-07	7.8E-09	2.9E-08	1.1E-07	7.8E-09	2.6E-08	9.6E-08	1.3E-07
381	BKGNI	259546.8	4022606.1	259546.8, 4	0.000508974	0.000266991	9.19E-04	3.0E-07	1.6E-07	5.4E-07	9.5E-09	3.7E-08	1.3E-07	9.5E-09	3.2E-08	1.1E-07	1.5E-07
382	BKGNI	259605.44	4022606.1	259605.44,	0.000622703	0.000327172	1.05E-03	3.7E-07	1.9E-07	6.2E-07	1.2E-08	4.6E-08	1.5E-07	1.2E-08	4.0E-08	1.3E-07	1.8E-07
383	BKGNI	259664.08	4022606.1	259664.08,	0.000773081	0.000375073	1.20E-03	4.6E-07	2.2E-07	7.1E-07	1.4E-08	5.2E-08	1.7E-07	1.4E-08	4.5E-08	1.5E-07	2.1E-07
384	BKGNI	259722.72	4022606.1	259722.72,	0.000971429	0.000409492	1.37E-03	5.7E-07	2.4E-07	8.1E-07	1.8E-08	5.7E-08	1.9E-07	1.8E-08	5.0E-08	1.7E-07	2.3E-07
385	BKGNI	259781.36	4022606.1	259781.36,	0.001198378	0.000434758	1.61E-03	7.1E-07	2.6E-07	9.5E-07	2.2E-08	6.1E-08	2.2E-07	2.2E-08	5.3E-08	1.9E-07	2.7E-07
386	BKGNI	259840	4022606.1	259840, 402	0.001349687	0.000447544	2.01E-03	8.0E-07	2.6E-07	1.2E-06	2.5E-08	6.2E-08	2.8E-07	2.5E-08	5.4E-08	2.4E-07	3.2E-07
387	BKGNI	259898.64	4022606.1	259898.64,	0.001335515	0.000445426	2.30E-03	7.9E-07	2.6E-07	1.4E-06	2.5E-08	6.2E-08	3.2E-07	2.5E-08	5.4E-08	2.8E-07	3.6E-07
388	BKGNI	259957.28	4022606.1	259957.28,	0.001151085	0.000431277	2.28E-03	6.8E-07	2.6E-07	1.4E-06	2.1E-08	6.0E-08	3.2E-07	2.1E-08	5.2E-08	2.8E-07	3.5E-07
389	BKGNI	260015.92	4022606.1	260015.92,	0.000915636	0.000439911	2.22E-03	5.4E-07	2.6E-07	1.3E-06	1.7E-08	6.1E-08	3.1E-07	1.7E-08	5.3E-08	2.7E-07	3.4E-07
390	BKGNI	260074.56	4022606.1	260074.56,	0.000692936	0.000514764	1.86E-03	4.1E-07	3.0E-07	1.1E-06	1.3E-08	7.2E-08	2.6E-07	1.3E-08	6.2E-08	2.3E-07	3.0E-07
391	BKGNI	260133.2	4022606.1	260133.2, 4	0.000537579	0.000759592	1.52E-03	3.2E-07	4.5E-07	9.0E-07	1.0E-08	1.1E-07	2.1E-07	1.0E-08	9.2E-08	1.8E-07	2.9E-07
392	BKGNI	260191.84	4022606.1	260191.84,	0.000411413	0.000894487	1.31E-03	2.4E-07	5.3E-07	7.7E-07	7.7E-09	1.2E-07	1.8E-07	7.7E-09	1.1E-07	1.6E-07	2.7E-07
393	BKGNI	260250.48	4022606.1	260250.48,	0.000322828	0.00101955	1.12E-03	1.9E-07	6.0E-07	6.6E-07	6.0E-09	1.4E-07	1.6E-07	6.0E-09	1.2E-07	1.4E-07	2.6E-07
394	BKGNI	260309.12	4022606.1	260309.12,	0.000258221	0.000331533	9.38E-04	1.5E-07	2.0E-07	5.6E-07	4.8E-09	4.6E-08	1.3E-07	4.8E-09	4.0E-08	1.1E-07	1.6E-07
395	BKGNI	260367.76	4022606.1	260367.76,	0.000209861	0.00020256	7.81E-04	1.2E-07	1.2E-07	4.6E-07	3.9E-09	2.8E-08	1.1E-07	3.9E-09	2.4E-08	9.4E-08	1.2E-07
396	BKGNI	260426.4	4022606.1	260426.4, 4	0.00017298	0.000161441	6.65E-04	1.0E-07	9.6E-08	3.9E-07	3.2E-09	2.3E-08	9.3E-08	3.2E-09	2.0E-08	8.0E-08	1.0E-07
397	BKGNI	260485.04	4022606.1	260485.04,	0.000144728	0.000138034	5.81E-04	8.6E-08	8.2E-08	3.4E-07	2.7E-09	1.9E-08	8.1E-08	2.7E-09	1.7E-08	7.0E-08	9.0E-08
398	BKGNI	260543.68	4022606.1	260543.68,	0.000123381	0.00012182	5.15E-04	7.3E-08	7.2E-08	3.0E-07	2.3E-09	1.7E-08	7.2E-08	2.3E-09	1.5E-08	6.2E-08	7.9E-08
399	BKGNI	260602.32	4022606.1	260602.32,	0.000107139	0.000109435	4.63E-04	6.3E-08	6.5E-08	2.7E-07	2.0E-09	1.5E-08	6.5E-08	2.0E-09	1.3E-08	5.6E-08	7.1E-08
400	BKGNI	259429.52	4022649.62	259429.52,	0.000329247	0.000160929	6.48E-04	1.9E-07	9.5E-08	3.8E-07	6.1E-09	2.2E-08	9.0E-08	6.1E-09	1.9E-08	7.8E-08	1.0E-07
401	BKGNI	259488.16	4022649.62	259488.16,	0.000384591	0.000187491	7.32E-04	2.3E-07	1.1E-07	4.3E-07	7.2E-09	2.6E-08	1.0E-07	7.2E-09	2.3E-08	8.8E-08	1.2E-07
402	BKGNI	259546.8	4022649.62	259546.8, 4	0.000453892	0.000221024	8.22E-04	2.7E-07	1.3E-07	4.9E-07	8.4E-09	3.1E-08	1.1E-07	8.4E-09	2.7E-08	9.9E-08	1.3E-07
403	BKGNI	259605.44	4022649.62	259605.44,	0.000541233	0.000255759	9.20E-04	3.2E-07	1.5E-07	5.4E-07	1.0E-08	3.6E-08	1.3E-07	1.0E-08	3.1E-08	1.1E-07	1.5E-07
404	BKGNI	259664.08	4022649.62	259664.08,	0.000652962	0.000287291	1.03E-03	3.9E-07	1.7E-07	6.1E-07	1.2E-08	4.0E-08	1.4E-07	1.2E-08	3.5E-08	1.2E-07	1.7E-07
405	BKGNI	259722.72	4022649.62	259722.72,	0.000791687	0.000314994	1.16E-03	4.7E-07	1.9E-07	6.8E-07	1.5E-08	4.4E-08	1.6E-07	1.5E-08	3.8E-08	1.4E-07	1.9E-07
406	BKGNI	259781.36	4022649.62	259781.36,	0.000931717	0.000338776	1.38E-03	5.5E-07	2.0E-07	8.2E-07	1.7E-08	4.7E-08	1.9E-07	1.7E-08	4.1E-08	1.7E-07	2.2E-07
407	BKGNI	259840	4022649.62	259840, 402	0.001003317	0.000352972	1.65E-03	5.9E-07	2.1E-07	9.8E-07	1.9E-08	4.9E-08	2.3E-07	1.9E-08	4.3E-08	2.0E-07	2.6E-07
408	BKGNI	259898.64	4022649.62	259898.64,	0.000977713	0.000353828	1.79E-03	5.8E-07	2.1E-07	1.1E-06	1.8E-08	4.9E-08	2.5E-07	1.8E-08	4.3E-08	2.2E-07	2.8E-07
409	BKGNI	259957.28	4022649.62	259957.28,	0.000860693	0.000345549	1.77E-03	5.1E-07	2.0E-07	1.0E-06	1.6E-08	4.8E-08	2.5E-07	1.6E-08	4.2E-08	2.1E-07	2.7E-07
410	BKGNI	260015.92	4022649.62	260015.92,	0.000686665	0.000347513	1.73E-03	4.1E-07	2.1E-07	1.0E-06	1.3E-08	4.8E-08	2.4E-07	1.3E-08	4.2E-08	2.1E-07	2.6E-07
411	BKGNI	260074.56	4022649.62	260074.56,	0.000550547	0.000369686	1.51E-03	3.3E-07	2.2E-07	9.0E-07	1.0E-08	5.2E-08	2.1E-07	1.0E-08	4.5E-08	1.8E-07	2.4E-07
412	BKGNI	260133.2	4022649.62	260133.2, 4	0.000451688	0.000418179	1.26E-03	2.7E-07	2.5E-07	7.5E-07	8.4E-09	5.8E-08	1.8E-07	8.4E-09	5.1E-08	1.5E-07	2.1E-07
413	BKGNI	260191.84	4022649.62	260191.84,	0.000358081	0.000507237	1.09E-03	2.1E-07	3.0E-07	6.5E-07	6.7E-09	7.1E-08	1.5E-07	6.7E-09	6.1E-08	1.3E-07	2.0E-07
414	BKGNI	260250.48	4022649.62	260250.48,	0.000287124	0.000522645	9.64E-04	1.7E-07	3.1E-07	5.7E-07	5.3E-09	7.3E-08	1.3E-07	5.3E-09	6.3E-08	1.2E-07	1.9E-07
415	BKGNI	260309.12	4022649.62	260309.12,	0.000233883	0.000257913	8.42E-04	1.4E-07	1.5E-07	5.0E-07	4.3E-09	3.6E-08	1.2E-07	4.3E-09	3.1E-08	1.0E-07	1.4E-07
416	BKGNI	260367.76	4022649.62	260367.76,	0.000193605	0.000180976	7.18E-04	1.1E-07	1.1E-07	4.3E-07	3.6E-09	2.5E-08	1.0E-07	3.6E-09	2.2E-08	8.7E-08	1.1E-07
417	BKGNI	260426.4	4022649.62	260426.4, 4	0.00016211	0.000148026	6.11E-04	9.6E-08	8.8E-08	3.6E-07	3.0E-09	2.1E-08	8.5E-08	3.0E-09	1.8E-08	7.4E-08	9.5E-08
418	BKGNI	260485.04	4022649.62	260485.04,	0.000136911	0.000127981	5.31E-04	8.1E-08	7.6E-08	3.1E-07	2.5E-09	1.8E-08	7.4E-08	2.5E-09	1.5E-08	6.4E-08	8.2E-08
419	BKGNI	260543.68	4022649.62	260543.68,	0.000117034	0.000113771	4.71E-04	6.9E-08	6.7E-08	2.8E-07	2.2E-09	1.6E-08	6.6E-08	2.2E-09	1.4E-08	5.7E-08	7.3E-08
420	BKGNI	260602.32	4022649.62	260602.32,	0.000101578	0.000102688	4.23E-04	6.0E-08	6.1E-08	2.5E-07	1.9E-09	1.4E-08	5.9E-08	1.9E-09	1.2E-08	5.1E-08	6.5E-08
421	BKGNI	259429.52	4022693.14	259429.52,	0.000303567	0.000147613	5.99E-04	1.8E-07	8.7E-08	3.5E-07	5.6E-09	2.1E-08	8.4E-08	5.6E-09	1.8E-08	7.2E-08	9.6E-08
422	BKGNI	259488.16	4022693.14	259488.16,	0.000348758	0.000167282	6.62E-04	2.1E-07	9.9E-08	3.9E-07	6.5E-09	2.3E-08	9.2E-08	6.5E-09	2.0E-08	8.0E-08	1.1E-07
423	BKGNI	259546.8	4022693.14	259546.8, 4	0.000403898	0.000190014	7.30E-04	2.4E-07	1.1E-07	4.3E-07	7.5E-09	2.7E-08	1.0E-07	7.5E-09	2.3E-08	8.8E-08	1.2E-07
424	BKGNI	259605.44	4022693.14	259605.44,	0.000471816	0.000213324	8.04E-04	2.8E-07	1.3E-07	4.8E-07	8.8E-09	3.0E-08	1.1E-07	8.8E-09	2.6E-08	9.7E-08	1.3E-07
425	BKGNI	259664.08	4022693.14	259664.08,	0.000556222	0.000236766	8.86E-04	3.3E-07	1.4E-07	5.2E-07	1.0E-08	3.3E-08	1.2E-07	1.0E-08	2.9E-08	1.1E-07	1.5E-07
426	BKGNI	259722.72	4022693.14	259722.72,	0.000654657	0.000259164	1.00E-03	3.9E-07	1.5E-07	5.9E-07	1.2E-08	3.6E-08	1.4E-07	1.2E-08	3.1E-08	1.2E-07	1.6E-07
427	BKGNI	259781.36	4022693.14	259781.36,	0.000742702	0.000278132	1.20E-03	4.4E-07	1.6E-07	7.1E-07	1.4E-08	3.9E-08	1.7E-07	1.4E-08	3.4E-08	1.4E-07	1.9E-07
428	BKGNI	259840	4022693.14	259840, 402	0.000774328	0.000289886	1.37E-03	4.6E-07	1.7E-07	8.1E-07	1.4E-08	4.0E-08	1.9E-07	1.4E-08	3.5E-08	1.7E-07	2.2E-07
429	BKGNI	259898.64	4022693.14	259898.64,	0.000745137	0.000290606	1.44E-03	4.4E-07	1.7E-07	8.5E-07	1.4E-08	4.1E-08	2.0E-07	1.4E-08	3.5E-08	1.7E-07	2.2E-07
430	BKGNI	259957.28	4022693.14	259957.28,	0.000665175	0.000284378	1.42E-03	3.9E-07	1.7E-07	8.4E-07	1.2E-08	4.0E-08	2.0E-07	1.2E-08	3.4E-08	1.7E-07	2.2E-07
431	BKGNI	260015.92	4022693.14	260015.92,	0.000555856	0.00028257	1.40E-03	3.3E-07	1.7E-07	8.3E-07	1.0E-08	3.9E-08	2.0E-07	1.0E-08	3.4E-08	1.7E-07	2.1E-07
432	BKGNI	260074.56	4022693.14	260074.56,	0.000451522	0.000285894	1.26E-03	2.7E-07	1.7E-07	7.5E-07	8.4E-09	4.0E-08	1.8E-07	8.4E-09	3.5E-08	1.5E-07	2.0E-07
433	BKGNI	260133.2	4022693.14	260133.2, 4	0.000377348	0.000296559	1.07E-03	2.2E-07	1.8E-07	6.3E-07	7.0E-09	4.1E-08	1.5E-07	7.0E-09	3.6E-08	1.3E-07	1.7E-07
434	BKGNI	260191.84	4022693.14	260191.84,	0.000312264	0.000297147	9.28E-04	1.8E-07	1.8E-07	5.5E-07	5.8E-09	4.1E-08	1.3E-07	5.8E-09	3.6E-08	1.1E-07	1.5E-07
435	BKGNI	260250.48	4022693.14	260250.48,	0.000256867	0.000265518	8.32E-04	1.5E-07	1.6E-07	4.9E-07	4.8E-09	3.7E-08	1.2E-07	4.8E-09	3.2E-08	1.0E-07	1.4E-07
436	BKGNI	260309.12	4022693.14	260309.12,	0.00021294	0.000201429	7.44E-04	1.3E-07	1.2E-07	4.4E-07	4.0E-09	2.8E-08	1.0E-07	4.0E-09	2.4E-08	9.0E-08	1.2E-07
437	BKGNI	260367.76	4022693.14	260367.76,	0.00017996	0.000159578	6.59E-04	1.1E-07	9.4E-08	3.9E-07	3.3E-09	2.2E-08	9.2E-08	3.3E-09	1.9E-08	8.0E-08	1.0E-07
438	BKGNI	260426.4	4022693.14	260426.4, 4	0.000153164	0.000135154	5.71E-04	9.1E-08	8.0E-08	3.4E-07	2.8E-09	1.9E-08	8.0E-08	2.8E-09	1.6E-08	6.9E-08	8.8E-08
439	BKGNI	260485.04	4022693.14	260485.04,	0.000131538	0.000118579	4.95E-04	7.8E-08	7.0E-08	2.9E-07	2.4E-09	1.7E-08	6.9E-08	2.4E-09	1.4E-08	6.0E-08	7.7E-08
440	BKGNI	260543.68	4022693.14	260543.68,	0.000112624	0.000106192	4.36E-04	6.7E-08	6.3E-08	2.6E-07	2.1E-09	1.5E-08	6.1E-08	2.1E-09	1.3E-08	5.3E-08	6.8E-08

441	BKGNI	260602.32	4022693.14	260602.32,	9.77134E-05	9.63626E-05	3.91E-04	5.8E-08	5.7E-08	2.3E-07	1.8E-09	1.3E-08	5.5E-08	1.8E-09	1.2E-08	4.7E-08	6.1E-08
442	R_1	259632.9	4022073.46	259632.9, 4	0.000476697	0.000870148	1.09E-03	2.8E-07	5.1E-07	6.4E-07	8.9E-09	1.2E-07	1.5E-07	8.9E-09	1.1E-07	1.3E-07	2.5E-07
443	R_2	259632.9	4022093.46	259632.9, 4	0.000522942	0.000629416	1.18E-03	3.1E-07	3.7E-07	7.0E-07	9.7E-09	8.8E-08	1.6E-07	9.7E-09	7.6E-08	1.4E-07	2.3E-07
444	R_3	259632.9	4022113.46	259632.9, 4	0.000573912	0.000520253	1.27E-03	3.4E-07	3.1E-07	7.5E-07	1.1E-08	7.3E-08	1.8E-07	1.1E-08	6.3E-08	1.5E-07	2.3E-07
445	R_4	259632.9	4022133.46	259632.9, 4	0.000629455	0.000461383	1.37E-03	3.7E-07	2.7E-07	8.1E-07	1.2E-08	6.4E-08	1.9E-07	1.2E-08	5.6E-08	1.7E-07	2.3E-07
446	R_5	259632.9	4022153.46	259632.9, 4	0.000689039	0.000427022	1.45E-03	4.1E-07	2.5E-07	8.6E-07	1.3E-08	6.0E-08	2.0E-07	1.3E-08	5.2E-08	1.8E-07	2.4E-07
447	R_6	259632.9	4022173.46	259632.9, 4	0.000751526	0.000406164	1.52E-03	4.4E-07	2.4E-07	9.0E-07	1.4E-08	5.7E-08	2.1E-07	1.4E-08	4.9E-08	1.8E-07	2.5E-07
448	R_7	259632.9	4022193.46	259632.9, 4	0.000815091	0.000393537	1.58E-03	4.8E-07	2.3E-07	9.3E-07	1.5E-08	5.5E-08	2.2E-07	1.5E-08	4.8E-08	1.9E-07	2.5E-07
449	R_8	259632.9	4022213.46	259632.9, 4	0.000877622	0.000386166	1.62E-03	5.2E-07	2.3E-07	9.6E-07	1.6E-08	5.4E-08	2.3E-07	1.6E-08	4.7E-08	2.0E-07	2.6E-07
450	R_9	259632.9	4022233.46	259632.9, 4	0.000937486	0.000382379	1.65E-03	5.5E-07	2.3E-07	9.8E-07	1.7E-08	5.3E-08	2.3E-07	1.7E-08	4.6E-08	2.0E-07	2.6E-07
451	R_10	259652.9	4022073.46	259652.9, 4	0.000513061	0.000851708	1.13E-03	3.0E-07	5.0E-07	6.7E-07	9.5E-09	1.2E-07	1.6E-07	9.5E-09	1.0E-07	1.4E-07	2.5E-07
452	R_11	259652.9	4022093.46	259652.9, 4	0.000566031	0.000633026	1.23E-03	3.3E-07	3.7E-07	7.3E-07	1.1E-08	8.8E-08	1.7E-07	1.1E-08	7.7E-08	1.5E-07	2.4E-07
453	R_12	259652.9	4022113.46	259652.9, 4	0.000625284	0.000528856	1.34E-03	3.7E-07	3.1E-07	7.9E-07	1.2E-08	7.4E-08	1.9E-07	1.2E-08	6.4E-08	1.6E-07	2.4E-07
454	R_13	259652.9	4022133.46	259652.9, 4	0.000690959	0.000472753	1.45E-03	4.1E-07	2.8E-07	8.6E-07	1.3E-08	6.6E-08	2.0E-07	1.3E-08	5.7E-08	1.8E-07	2.5E-07
455	R_14	259652.9	4022153.46	259652.9, 4	0.000762538	0.000440872	1.56E-03	4.5E-07	2.6E-07	9.2E-07	1.4E-08	6.1E-08	2.2E-07	1.4E-08	5.3E-08	1.9E-07	2.6E-07
456	R_15	259652.9	4022173.46	259652.9, 4	0.000838919	0.00042271	1.65E-03	5.0E-07	2.5E-07	9.8E-07	1.6E-08	5.9E-08	2.3E-07	1.6E-08	5.1E-08	2.0E-07	2.7E-07
457	R_16	259652.9	4022193.46	259652.9, 4	0.000918	0.000412808	1.72E-03	5.4E-07	2.4E-07	1.0E-06	1.7E-08	5.8E-08	2.4E-07	1.7E-08	5.0E-08	2.1E-07	2.8E-07
458	R_17	259652.9	4022213.46	259652.9, 4	0.000996972	0.000408321	1.78E-03	5.9E-07	2.4E-07	1.1E-06	1.9E-08	5.7E-08	2.5E-07	1.9E-08	4.9E-08	2.1E-07	2.8E-07
459	R_18	259652.9	4022233.46	259652.9, 4	0.001073391	0.000407282	1.82E-03	6.4E-07	2.4E-07	1.1E-06	2.0E-08	5.7E-08	2.5E-07	2.0E-08	4.9E-08	2.2E-07	2.9E-07
460	R_19	259672.9	4022073.46	259672.9, 4	0.000553592	0.000848023	1.17E-03	3.3E-07	5.0E-07	6.9E-07	1.0E-08	1.2E-07	1.6E-07	1.0E-08	1.0E-07	1.4E-07	2.5E-07
461	R_20	259672.9	4022093.46	259672.9, 4	0.000614364	0.000638785	1.29E-03	3.6E-07	3.8E-07	7.6E-07	1.1E-08	8.9E-08	1.8E-07	1.1E-08	7.7E-08	1.6E-07	2.4E-07
462	R_21	259672.9	4022113.46	259672.9, 4	0.000683433	0.000538646	1.41E-03	4.0E-07	3.2E-07	8.4E-07	1.3E-08	7.5E-08	2.0E-07	1.3E-08	6.5E-08	1.7E-07	2.5E-07
463	R_22	259672.9	4022133.46	259672.9, 4	0.000761343	0.00048538	1.54E-03	4.5E-07	2.9E-07	9.1E-07	1.4E-08	6.8E-08	2.2E-07	1.4E-08	5.9E-08	1.9E-07	2.6E-07
464	R_23	259672.9	4022153.46	259672.9, 4	0.000847892	0.000456291	1.67E-03	5.0E-07	2.7E-07	9.9E-07	1.6E-08	6.4E-08	2.3E-07	1.6E-08	5.5E-08	2.0E-07	2.7E-07
465	R_24	259672.9	4022173.46	259672.9, 4	0.00094208	0.000441065	1.79E-03	5.6E-07	2.6E-07	1.1E-06	1.8E-08	6.2E-08	2.5E-07	1.8E-08	5.3E-08	2.2E-07	2.9E-07
466	R_25	259672.9	4022193.46	259672.9, 4	0.00104154	0.000434736	1.89E-03	6.2E-07	2.6E-07	1.1E-06	1.9E-08	6.1E-08	2.6E-07	1.9E-08	5.3E-08	2.3E-07	3.0E-07
467	R_26	259672.9	4022213.46	259672.9, 4	0.001142638	0.000433904	1.96E-03	6.8E-07	2.6E-07	1.2E-06	2.1E-08	6.1E-08	2.7E-07	2.1E-08	5.2E-08	2.4E-07	3.1E-07
468	R_27	259672.9	4022233.46	259672.9, 4	0.001241742	0.000436654	2.02E-03	7.3E-07	2.6E-07	1.2E-06	2.3E-08	6.1E-08	2.8E-07	2.3E-08	5.3E-08	2.4E-07	3.2E-07
469	R_28	259692.9	4022073.46	259692.9, 4	0.000598986	0.000858775	1.22E-03	3.5E-07	5.1E-07	7.2E-07	1.1E-08	1.2E-07	1.7E-07	1.1E-08	1.0E-07	1.5E-07	2.6E-07
470	R_29	259692.9	4022093.46	259692.9, 4	0.000668852	0.000646735	1.34E-03	4.0E-07	3.8E-07	8.0E-07	1.2E-08	9.0E-08	1.9E-07	1.2E-08	7.8E-08	1.6E-07	2.5E-07
471	R_30	259692.9	4022113.46	259692.9, 4	0.000749624	0.000549381	1.48E-03	4.4E-07	3.3E-07	8.8E-07	1.4E-08	7.7E-08	2.1E-07	1.4E-08	6.6E-08	1.8E-07	2.6E-07
472	R_31	259692.9	4022133.46	259692.9, 4	0.000842402	0.000499219	1.63E-03	5.0E-07	3.0E-07	9.7E-07	1.6E-08	7.0E-08	2.3E-07	1.6E-08	6.0E-08	2.0E-07	2.7E-07
473	R_32	259692.9	4022153.46	259692.9, 4	0.000947721	0.00047328	1.79E-03	5.6E-07	2.8E-07	1.1E-06	1.8E-08	6.6E-08	2.5E-07	1.8E-08	5.7E-08	2.2E-07	2.9E-07
474	R_33	259692.9	4022173.46	259692.9, 4	0.001064934	0.000461758	1.94E-03	6.3E-07	2.7E-07	1.1E-06	2.0E-08	6.4E-08	2.7E-07	2.0E-08	5.6E-08	2.3E-07	3.1E-07
475	R_34	259692.9	4022193.46	259692.9, 4	0.001191611	0.000459474	2.07E-03	7.1E-07	2.7E-07	1.2E-06	2.2E-08	6.4E-08	2.9E-07	2.2E-08	5.6E-08	2.5E-07	3.3E-07
476	R_35	259692.9	4022213.46	259692.9, 4	0.001323119	0.000463415	2.18E-03	7.8E-07	2.7E-07	1.3E-06	2.5E-08	6.5E-08	3.0E-07	2.5E-08	5.6E-08	2.6E-07	3.4E-07
477	R_36	259692.9	4022233.46	259692.9, 4	0.001454114	0.000471191	2.25E-03	8.6E-07	2.8E-07	1.3E-06	2.7E-08	6.6E-08	3.1E-07	2.7E-08	5.7E-08	2.7E-07	3.6E-07
478	R_37	259712.9	4022073.46	259712.9, 4	0.000649941	0.000866323	1.27E-03	3.8E-07	5.1E-07	7.5E-07	1.2E-08	1.2E-07	1.8E-07	1.2E-08	1.0E-07	1.5E-07	2.7E-07
479	R_38	259712.9	4022093.46	259712.9, 4	0.000730572	0.000655451	1.40E-03	4.3E-07	3.9E-07	8.3E-07	1.4E-08	9.1E-08	2.0E-07	1.4E-08	7.9E-08	1.7E-07	2.6E-07
480	R_39	259712.9	4022113.46	259712.9, 4	0.000825351	0.000561317	1.56E-03	4.9E-07	3.3E-07	9.2E-07	1.5E-08	7.8E-08	2.2E-07	1.5E-08	6.8E-08	1.9E-07	2.7E-07
481	R_40	259712.9	4022133.46	259712.9, 4	0.00093638	0.000514455	1.73E-03	5.5E-07	3.0E-07	1.0E-06	1.7E-08	7.2E-08	2.4E-07	1.7E-08	6.2E-08	2.1E-07	2.9E-07
482	R_41	259712.9	4022153.46	259712.9, 4	0.001065344	0.000492182	1.92E-03	6.3E-07	2.9E-07	1.1E-06	2.0E-08	6.9E-08	2.7E-07	2.0E-08	6.0E-08	2.3E-07	3.1E-07
483	R_42	259712.9	4022173.46	259712.9, 4	0.001212661	0.000484831	2.10E-03	7.2E-07	2.9E-07	1.2E-06	2.3E-08	6.8E-08	2.9E-07	2.3E-08	5.9E-08	2.5E-07	3.4E-07
484	R_43	259712.9	4022193.46	259712.9, 4	0.001376358	0.000487714	2.28E-03	8.1E-07	2.9E-07	1.3E-06	2.6E-08	6.8E-08	3.2E-07	2.6E-08	5.9E-08	2.8E-07	3.6E-07
485	R_44	259712.9	4022213.46	259712.9, 4	0.001550824	0.000497572	2.42E-03	9.2E-07	2.9E-07	1.4E-06	2.9E-08	6.9E-08	3.4E-07	2.9E-08	6.0E-08	2.9E-07	3.8E-07
486	R_45	259712.9	4022233.46	259712.9, 4	0.001728071	0.000512163	2.53E-03	1.0E-06	3.0E-07	1.5E-06	3.2E-08	7.1E-08	3.5E-07	3.2E-08	6.2E-08	3.1E-07	4.0E-07
487	R_46	259732.9	4022073.46	259732.9, 4	0.00070738	0.000868666	1.32E-03	4.2E-07	5.1E-07	7.8E-07	1.3E-08	1.2E-07	1.8E-07	1.3E-08	1.1E-07	1.6E-07	2.8E-07
488	R_47	259732.9	4022093.46	259732.9, 4	0.000800777	0.000665123	1.46E-03	4.7E-07	3.9E-07	8.7E-07	1.5E-08	9.3E-08	2.0E-07	1.5E-08	8.0E-08	1.8E-07	2.7E-07
489	R_48	259732.9	4022113.46	259732.9, 4	0.000912413	0.000574732	1.63E-03	5.4E-07	3.4E-07	9.7E-07	1.7E-08	8.0E-08	2.3E-07	1.7E-08	6.9E-08	2.0E-07	2.8E-07
490	R_49	259732.9	4022133.46	259732.9, 4	0.001046011	0.000531129	1.83E-03	6.2E-07	3.1E-07	1.1E-06	1.9E-08	7.4E-08	2.5E-07	1.9E-08	6.4E-08	2.2E-07	3.0E-07
491	R_50	259732.9	4022153.46	259732.9, 4	0.001205091	0.000512653	2.04E-03	7.1E-07	3.0E-07	1.2E-06	2.2E-08	7.2E-08	2.9E-07	2.2E-08	6.2E-08	2.5E-07	3.3E-07
492	R_51	259732.9	4022173.46	259732.9, 4	0.001392314	0.000510325	2.28E-03	8.2E-07	3.0E-07	1.3E-06	2.6E-08	7.1E-08	3.2E-07	2.6E-08	6.2E-08	2.8E-07	3.6E-07
493	R_52	259732.9	4022193.46	259732.9, 4	0.00160734	0.000519607	2.50E-03	9.5E-07	3.1E-07	1.5E-06	3.0E-08	7.2E-08	3.5E-07	3.0E-08	6.3E-08	3.0E-07	4.0E-07
494	R_53	259732.9	4022213.46	259732.9, 4	0.001844444	0.00053738	2.70E-03	1.1E-06	3.2E-07	1.6E-06	3.4E-08	7.5E-08	3.8E-07	3.4E-08	6.5E-08	3.3E-07	4.3E-07
495	R_54	259732.9	4022233.46	259732.9, 4	0.002091699	0.000560909	2.85E-03	1.2E-06	3.3E-07	1.7E-06	3.9E-08	7.8E-08	4.0E-07	3.9E-08	6.8E-08	3.4E-07	4.5E-07
496	R_55	259752.9	4022073.46	259752.9, 4	0.000771797	0.000872692	1.38E-03	4.6E-07	5.2E-07	8.1E-07	1.4E-08	1.2E-07	1.9E-07	1.4E-08	1.1E-07	1.7E-07	2.9E-07
497	R_56	259752.9	4022093.46	259752.9, 4	0.000880557	0.00067628	1.53E-03	5.2E-07	4.0E-07	9.0E-07	1.6E-08	9.4E-08	2.1E-07	1.6E-08	8.2E-08	1.8E-07	2.8E-07
498	R_57	259772.9	4022073.46	259772.9, 4	0.000843737	0.000878374	1.44E-03	5.0E-07	5.2E-07	8.5E-07	1.6E-08	1.2E-07	2.0E-07	1.6E-08	1.1E-07	1.7E-07	3.0E-07
499	R_58	259772.9	4022093.46	259772.9, 4	0.000970937	0.000689231	1.60E-03	5.7E-07	4.1E-07	9.5E-07	1.8E-08	9.6E-08	2.2E-07	1.8E-08	8.3E-08	1.9E-07	2.9E-07
500	R_59	259792.9	4022073.46	259792.9, 4	0.000923466	0.00088682	1.51E-03	5.5E-07	5.2E-07	8.9E-07	1.7E-08	1.2E-07	2.1E-07	1.7E-08	1.1E-07	1.8E-07	3.1E-07
501	R_60	259792.9	4022093.46	259792.9, 4	0.001072765	0.000704505	1.68E-03	6.3E-07	4.2E-07	1.0E-06	2.0E-08	9.8E-08	2.3E-07	2.0E-08	8.5E-08	2.0E-07	3.1E-07
502	R_61	259812.9	4022073.46	259812.9, 4	0.001011945	0.000897663	1.59E-03	6.0E-07	5.3E-07	9.4E-07	1.9E-08	1.3E-07	2.2E-07	1.9E-08	1.1E-07	1.9E-07	3.2E-07
503	R_62	259812.9	4022093.46	259812.9, 4	0.001187498	0.00072255	1.78E-03	7.0E-07	4.3E-07	1.1E-06	2.2E-08	1.0E-07	2.5E-07	2.2E-08	8.7E-08	2.2E-07	3.2E-07
504	R_63	259832.9	4022073.46	259832.9, 4	0.001112519	0.000912201	1.69E-03	6.6E-07	5.4E-07	1.0E-06	2.1E-08	1.3E-07	2.4E-07	2.1E-08	1.1E-07	2.0E-07	3.3E-07
505	R_64	259832.9	4022093.46	259832.9, 4	0.001319809	0.000744306	1.89E-03	7.8E-07	4.4E-07	1.1E-06	2.5E-08	1.0E-07	2.6E-07	2.5E-08	9.0E-08	2.3E-07	3.4E-07
506	S_1	259920.63	4022125.03	259920.63,	0.003659671	0.000920959	3.12E-03	2.2E-06	5.5E-07	1.8E-06	6.8E-08	1.3E-07	4.4E-07	6.8E-08	1.1E-07	3.8E-07	5.6E-07
507	S_2	259920.63	4022145.03	259920.63,	0.005021777	0.00098155	3.70E-03	3.0E-06	5.8E-07	2.2E-06	9.3E-08	1.4E-07	5.2E-07	9.3E-08	1.2E-07	4.5E-07	6.6E-07
508	S_3	259920.63	4022165.03	259920.63,	0.007204073	0.001105374	4.46E-03	4.3E-06	6.5E-07	2.6E-06	1.3E-07	1.5E-07	6.2E-07	1.3E-07	1.3E-07	5.4E-07	8.1E-07
509	S_4	259940.63	4022105.03	259940.63,	0.003208924	0.001011239	2.92E-03	1.9E-06	6.0E-07	1.7E-06	6.0E-08	1.4E-07	4.1E-07	6.0E-08	1.2E-07	3.5E-07	5.3E-07
510	S_5	259940.63	4022125.03	259940.63,	0.004248358	0.001037601	3.42E-03	2.5E-06	6.1E-07	2.0E-06	7.9E-08	1.4E-07	4.8E-07	7.9E-08	1.3E-07	4.1E-07	6.2E-07
511	S_6	259940.63	4022145.03	259940.63,	0.005800219	0.00112401	4.07E-03	3.4E-06	6.7E-07	2.4E-06	1.1E-07	1.6E-07	5.7E-07	1.1E-07	1.4E-07	4.9E-07	7.4E-07
512	S_7	259940.63	4022165.03	259940.63,	0.008199311	0.001280951	4.94E-03	4.9E-06	7.6E-07	2.9E-06	1.5E-07	1.8E-07	6.9E-07	1.5E-07	1.5E-07	6.0E-07	9.0E-07
513	S_8	259960.63	4022105.03	259960.63,	0.003639996	0.001144796	3.31E-03	2.2E-06	6.8E-07	2.0E-06	6.8E-08	1.6E-07	4.6E-07	6.8E-08	1.4E-07	4.0E-07	6.1E-07
514	S_9	259960.63	4022125.03	259960.63,	0.004783238	0.001192585	3.90E-03	2.8E-06	7.1E-07	2.3E-06	8.9E-08	1.7E-07	5.4E-07	8.9E-08	1.4E-07	4.7E-07	7.0E-07
515	S_10	259960.63	4022145.03	259960.63,	0.006439327	0.001304742	4.68E-03	3.8E-06	7.7E-07	2.8E-06	1.2E-07	1.8E-07	6.5E-07	1.2E-07	1.6E-07	5.7E-07	8.4E-07
516	S_11	259960.63	4022165.03	259960.63,	0.008913208	0.001490475	5.75E-03	5.3E-06	8.8E-07	3.4E-06	1.7E-07	2.1E-07	8.0E-07	1.7E-07	1.8E-07	6.9E-07	1.0E-06
517	S_12	259980.63	4022105.03	259980.63,	0.004021885	0.001336762	3.88E-03	2.4E-06	7.9E-07	2.3E-06	7.5E-08	1.9E-07	5.4E-07	7.5E-08	1.6E-07	4.7E-07	7.1E-07
518	S_13	259980.63	4022125.03	259980.63,	0.00521557	0.001404959	4.65E-03	3.1E-06	8.3E-07	2.8E-06	9.7E-08	2.0E-07	6.5E-07	9.7E-08	1.7E-07	5.6E-07	8.3E-07
519	S_14	259980.63	4022145.03	259980.63,	0.006893487	0.001540247	5.69E-03	4.1E-06	9.1E-07	3.4E-06	1.3E-07	2.1E-07	7.9E-07	1.3E-07	1.9E-07	6.9E-07	1.0E-06
520	S_15	259980.63	4022165.03	259980.63,	0.009324604	0.001747614	7.14E-03	5.5E-06	1.0E-06	4.2E-06	1.7E-07	2.4E-07	1.0E-06	1.7E-07	2.1E-07	8.6E-07	1.2E-06
521	S_16	260000.63	4022105.03	260000.63,	0.004319653	0.001656084	4.58E-03	2.6E-06	9.8E-07	2.7E-06	8.0E-08	2.3E-07	6.4E-07	8.0E-08	2.0E-07	5.5E-07	8.3E-07
522	S_17	260000.63	4022125.03	260000.63,	0.005509521	0.001738108	5.58E-03	3.3E-06	1.0E-06	3.3E-06	1.0E-07	2.4E-07	7.8E-07	1.0E-07	2.1E-07	6.7E-07	9.9E-07
523	S_18	260000.63	4022145.03	260000.63,	0.007132868	0.00188327	6.96E-03	4.2E-06	1.1E-06	4.1E-06	1.3E-07	2.6E-07	9.7E-07	1.3E-07	2.3E-07	8.4E-07	1.2E-06
524	S_19	260000.63	4022165.03	260000.63,	0.009413218	0.002085423	8.98E-03	5.6E-06	1.2E-06	5.3E-06	1.8E-07	2.9E-07	1.3E-06	1.8E-07	2.5E-07	1.1E-06	1.5E-06
525	R_65	259550.34	4021844.01	259550.34,	0.000169791	0.000271935	4.44E-04	1.0E-07	1.6E-07	2.6E-07	3.2E-09	3.8E-08	6.2E-08	3.2E-09	3.3E-08	5.4E-08	9.0E-08
526	R_66	259550.34	4021864.01	259550.34,	0.000179228	0.000293496	4.69E-04	1.1E-07	1.7E-07	2.8E-07	3.3E-09	4.1E-08	6.5E-08	3.3E-09	3.5E-08	5.7E-08	9.5E-08
527	R_67	259550.34	4021884.01	259550.34,	0.000189627	0.000318966	4.96E-04	1.1E-07	1.9E-07	2.9E-07	3.5E-09	4.4E-08	6.9E-08	3.5E-09	3.9E-08	6.0E-08	1.0E-07
528	R_68	259550.34	4021904.01	259550.34,	0.000201154	0.000349915	5.27E-04	1.2E-07	2.1E-07	3.1E-07	3.7E-09	4.9E-08	7.3E-08	3.7E-09	4.2E-08	6.4E-08	1.1E-07
529	R_69	259550.34	4021924.01	259550.34,	0.000213947	0.000388394	5.60E-04	1.3E-07	2.3E-07	3.3E-07	4.0E-09	5.4E-08	7.8E-08	4.0E-09	4.7E-08	6.8E-08	1.2E-07
530	R_70	259550.34	4021944.01	259550.34,	0.000228185	0.000438434	5.97E-04	1.4E-07	2.6E-07	3.5E-07	4.2E-09	6.1E-08	8.3E-08	4.2E-09	5.3E-08	7.2E-08	1.3E-07
531	R_71	259550.34	4021964.01	259550.34,	0.000243992	0.000505843	6.38E-04	1.4E-07	3.0E-07	3.8E-07	4.5E-09	7.1E-08	8.9E-08	4.5E-09	6.1E-08	7.7E-08	1.4E-07
532	R_72	259550.34	4021984.01	259550.34,	0.00026151	0.000601727	6.81E-04	1.5E-07	3.6E-07	4.0E-07	4.9E-09	8.4E-08	9.5E-08	4.9E-09	7.3E-08	8.2E-08	1.6E-07
533	R_73	259550.34	4022004.01	259550.34,	0.000280763	0.000756459	7.29E-04	1.7E-07	4.5E-07	4.3E-07	5.2E-09	1.1E-07	1.0E-07	5.2E-09	9.1E-08	8.8E-08	1.8E-07
534	R_74	259550.34	4022024.01	259550.34,	0.000301765	0.001040139	7.79E-04	1.8E-07	6.2E-07	4.6E-07	5.6E-09	1.5E-07	1.1E-07	5.6E-09	1.3E-07	9.4E-08	2.3E-07
535	R_75	259570.34	4021844.01	259570.34,	0.000176669	0.000275916	4.53E-04	1.0E-07	1.6E-07	2.7E-07	3.3E-09	3.8E-08	6.3E-08	3.3E-09	3.3E-08	5.5E-08	9.1E-08
536	R_76	259570.34	4021864.01	259570.34,	0.000186688	0.000297628	4.79E-04	1.1E-07	1.8E-07	2.8E-07	3.5E-09	4.2E-08	6.7E-08	3.5E-09	3.6E-08	5.8E-08	9.7E-08
537	R_77	259570.34	4021884.01	259570.34,	0.000197733	0.000323404	5.07E-04	1.2E-07	1.9E-07	3.0E-07	3.7E-09	4.5E-08	7.1E-08	3.7E-09	3.9E-08	6.1E-08	1.0E-07
538	R_78	259570.34	4021904.01	259570.34,	0.000209969	0.000354599	5.38E-04	1.2E-07	2.1E-07	3.2E-07	3.9E-09	4.9E-08	7.5E-08	3.9E-09	4.3E-08	6.5E-08	1.1E-07
539	R_79	259570.34	4021924.01	259570.34,	0.000223561	0.000393722	5.73E-04	1.3E-07	2.3E-07	3.4E-07	4.2E-09	5.5E-08	8.0E-08	4.2E-09	4.8E-08	6.9E-08	1.2E-07
540	R_80	259570.34	4021944.01	259570.34,	0.00023871	0.000444766	6.11E-04	1.4E-07	2.6E-07	3.6E-07	4.4E-09	6.2E-08	8.5E-08	4.4E-09	5.4E-08	7.4E-08	1.3E-07
541	R_81	259570.34	4021964.01	259570.34,	0.000255633	0.000513244	6.53E-04	1.5E-07	3.0E-07	3.9E-07	4.8E-09	7.2E-08	9.1E-08	4.8E-09	6.2E-08	7.9E-08	1.5E-07
542	R_82	259570.34	4021984.01	259570.34,	0.000274506	0.000610731	7.00E-04	1.6E-07	3.6E-07	4.1E-07	5.1E-09	8.5E-08	9.8E-08	5.1E-09	7.4E-08	8.5E-08	1.6E-07
543	R_83	259570.34	4022004.01	259570.34,	0.000295443	0.000769073	7.50E-04	1.7E-07	4.6E-07	4.4E-07	5.5E-09	1.1E-07	1.0E-07	5.5E-09	9.3E-08	9.1E-08	1.9E-07
544	R_84	259570.34	4022024.01	259570.34,	0.000318534	0.001060422	8.05E-04	1.9E-07	6.3E-07	4.8E-07	5.9E-09	1.5E-07	1.1E-07	5.9E-09	1.3E-07	9.7E-08	2.3E-07
545	R_85	259590.34	4021844.01	259590.34,	0.000183952	0.000280541	4.64E-04	1.1E-07	1.7E-07	2.7E-07	3.4E-09	3.9E-08	6.5E-08	3.4E-09	3.4E-08	5.6E-08	9.3E-08
546	R_86	259590.34	4021864.01	259590.34,	0.000194668	0.000302493	4.90E-04	1.2E-07	1.8E-07	2.9E-07	3.6E-09	4.2E-08	6.8E-08	3.6E-09	3.7E-08	5.9E-08	9.9E-08
547	R_87	259590.34	4021884.01	259590.34,	0.000206473	0.000328624	5.18E-04	1.2E-07	1.9E-07	3.1E-07	3.8E-09	4.6E-08	7.2E-08	3.8E-09	4.0E-08	6.3E-08	1.1E-07
548	R_88	259590.34	4021904.01	259590.34,	0.00021952	0.000360213	5.50E-04	1.3E-07	2.1E-07	3.3E-07	4.1E-09	5.0E-08	7.7E-08	4.1E-09	4.4E-08	6.7E-08	1.1E-07
549	R_89	259590.34	4021924.01	259590.34,	0.000234036	0.000399843	5.86E-04	1.4E-07	2.4E-07	3.5E-07	4.4E-09	5.6E-08	8.2E-08	4.4E-09	4.8E-08	7.1E-08	1.2E-07
550	R_90	259590.34	4021944.01	259590.34,	0.000250224	0.000451371	6.26E-04	1.5E-07	2.7E-07	3.7E-07	4.7E-09	6.3E-08	8.7E-08	4.7E-09	5.5E-08	7.6E-08	1.3E-07
551	R_91	259590.34	4021964.01	259590.34,	0.000268375	0.000520742	6.70E-04	1.6E-07	3.1E-07	4.0E-07	5.0E-09	7.3E-08	9.3E-08	5.0E-09	6.3E-08	8.1E-08	1.5E-07
552	R_92	259590.34	4021984.01	259590.34,	0.00028873	0.000620553	7.18E-04	1.7E-07	3.7E-07	4.3E-07	5.4E-09	8.7E-08	1.0E-07	5.4E-09	7.5E-08	8.7E-08	1.7E-07
553	R_93	259590.34	4022004.01	259590.34,	0.000311479	0.000781897	7.72E-04	1.8E-07	4.6E-07	4.6E-07	5.8E-09	1.1E-07	1.1E-07	5.8E-09	9.5E-08	9.3E-08	1.9E-07

554	R_94	259590.34	4022024.01	259590.34,	0.000336837	0.001079798	8.31E-04	2.0E-07	6.4E-07	4.9E-07	6.3E-09	1.5E-07	1.2E-07	6.3E-09	1.3E-07	1.0E-07	2.4E-07
555	R_95	259610.34	4021844.01	259610.34,	0.00019164	0.000285422	4.76E-04	1.1E-07	1.7E-07	2.8E-07	3.6E-09	4.0E-08	6.6E-08	3.6E-09	3.5E-08	5.8E-08	9.6E-08
556	R_96	259610.34	4021864.01	259610.34,	0.000203154	0.000307805	5.02E-04	1.2E-07	1.8E-07	3.0E-07	3.8E-09	4.3E-08	7.0E-08	3.8E-09	3.7E-08	6.1E-08	1.0E-07
557	R_97	259610.34	4021884.01	259610.34,	0.000215821	0.000334185	5.31E-04	1.3E-07	2.0E-07	3.1E-07	4.0E-09	4.7E-08	7.4E-08	4.0E-09	4.0E-08	6.4E-08	1.1E-07
558	R_98	259610.34	4021904.01	259610.34,	0.00022983	0.000366282	5.64E-04	1.4E-07	2.2E-07	3.3E-07	4.3E-09	5.1E-08	7.9E-08	4.3E-09	4.4E-08	6.8E-08	1.2E-07
559	R_99	259610.34	4021924.01	259610.34,	0.00024541	0.000406315	6.00E-04	1.5E-07	2.4E-07	3.6E-07	4.6E-09	5.7E-08	8.4E-08	4.6E-09	4.9E-08	7.3E-08	1.3E-07
560	R_100	259610.34	4021944.01	259610.34,	0.000262814	0.000458161	6.41E-04	1.6E-07	2.7E-07	3.8E-07	4.9E-09	6.4E-08	8.9E-08	4.9E-09	5.5E-08	7.7E-08	1.4E-07
561	R_101	259610.34	4021964.01	259610.34,	0.000282345	0.000528499	6.87E-04	1.7E-07	3.1E-07	4.1E-07	5.3E-09	7.4E-08	9.6E-08	5.3E-09	6.4E-08	8.3E-08	1.5E-07
562	R_102	259610.34	4021984.01	259610.34,	0.000304334	0.000630523	7.38E-04	1.8E-07	3.7E-07	4.4E-07	5.7E-09	8.8E-08	1.0E-07	5.7E-09	7.6E-08	8.9E-08	1.7E-07
563	R_103	259610.34	4022004.01	259610.34,	0.000329085	0.000794818	7.95E-04	1.9E-07	4.7E-07	4.7E-07	6.1E-09	1.1E-07	1.1E-07	6.1E-09	9.6E-08	9.6E-08	2.0E-07
564	R_104	259610.34	4022024.01	259610.34,	0.000356913	0.00109952	8.57E-04	2.1E-07	6.5E-07	5.1E-07	6.6E-09	1.5E-07	1.2E-07	6.6E-09	1.3E-07	1.0E-07	2.4E-07
565	R_105	259630.34	4021844.01	259630.34,	0.000199708	0.000290601	4.89E-04	1.2E-07	1.7E-07	2.9E-07	3.7E-09	4.1E-08	6.8E-08	3.7E-09	3.5E-08	5.9E-08	9.8E-08
566	R_106	259630.34	4021864.01	259630.34,	0.000212109	0.000313159	5.16E-04	1.3E-07	1.9E-07	3.1E-07	3.9E-09	4.4E-08	7.2E-08	3.9E-09	3.8E-08	6.2E-08	1.0E-07
567	R_107	259630.34	4021884.01	259630.34,	0.000225776	0.000340005	5.45E-04	1.3E-07	2.0E-07	3.2E-07	4.2E-09	4.7E-08	7.6E-08	4.2E-09	4.1E-08	6.6E-08	1.1E-07
568	R_108	259630.34	4021904.01	259630.34,	0.000240887	0.000372366	5.78E-04	1.4E-07	2.2E-07	3.4E-07	4.5E-09	5.2E-08	8.1E-08	4.5E-09	4.5E-08	7.0E-08	1.2E-07
569	R_109	259630.34	4021924.01	259630.34,	0.000257709	0.000412843	6.16E-04	1.5E-07	2.4E-07	3.6E-07	4.8E-09	5.8E-08	8.6E-08	4.8E-09	5.0E-08	7.4E-08	1.3E-07
570	R_110	259630.34	4021944.01	259630.34,	0.000276518	0.000465388	6.57E-04	1.6E-07	2.8E-07	3.9E-07	5.1E-09	6.5E-08	9.2E-08	5.1E-09	5.6E-08	7.9E-08	1.4E-07
571	R_111	259630.34	4021964.01	259630.34,	0.000297646	0.000536732	7.05E-04	1.8E-07	3.2E-07	4.2E-07	5.5E-09	7.5E-08	9.8E-08	5.5E-09	6.5E-08	8.5E-08	1.6E-07
572	R_112	259630.34	4021984.01	259630.34,	0.000321497	0.000640598	7.58E-04	1.9E-07	3.8E-07	4.5E-07	6.0E-09	8.9E-08	1.1E-07	6.0E-09	7.7E-08	9.2E-08	1.8E-07
573	R_113	259630.34	4022004.01	259630.34,	0.000348476	0.000807859	8.17E-04	2.1E-07	4.8E-07	4.8E-07	6.5E-09	1.1E-07	1.1E-07	6.5E-09	9.8E-08	9.9E-08	2.0E-07
574	R_114	259630.34	4022024.01	259630.34,	0.00037904	0.001120138	8.84E-04	2.2E-07	6.6E-07	5.2E-07	7.0E-09	1.6E-07	1.2E-07	7.0E-09	1.4E-07	1.1E-07	2.5E-07
575	R_115	259650.34	4021844.01	259650.34,	0.000208144	0.000295978	5.03E-04	1.2E-07	1.8E-07	3.0E-07	3.9E-09	4.1E-08	7.0E-08	3.9E-09	3.6E-08	6.1E-08	1.0E-07
576	R_116	259650.34	4021864.01	259650.34,	0.000221533	0.000318823	5.31E-04	1.3E-07	1.9E-07	3.1E-07	4.1E-09	4.4E-08	7.4E-08	4.1E-09	3.9E-08	6.4E-08	1.1E-07
577	R_117	259650.34	4021884.01	259650.34,	0.000236314	0.000345981	5.61E-04	1.4E-07	2.0E-07	3.3E-07	4.4E-09	4.8E-08	7.8E-08	4.4E-09	4.2E-08	6.8E-08	1.1E-07
578	R_118	259650.34	4021904.01	259650.34,	0.000252692	0.000378768	5.95E-04	1.5E-07	2.2E-07	3.5E-07	4.7E-09	5.3E-08	8.3E-08	4.7E-09	4.6E-08	7.2E-08	1.2E-07
579	R_119	259650.34	4021924.01	259650.34,	0.000270932	0.000419808	6.33E-04	1.6E-07	2.5E-07	3.7E-07	5.0E-09	5.9E-08	8.8E-08	5.0E-09	5.1E-08	7.6E-08	1.3E-07
580	R_120	259650.34	4021944.01	259650.34,	0.000291338	0.000473021	6.76E-04	1.7E-07	2.8E-07	4.0E-07	5.4E-09	6.6E-08	9.4E-08	5.4E-09	5.7E-08	8.2E-08	1.4E-07
581	R_121	259650.34	4021964.01	259650.34,	0.000314327	0.000545358	7.24E-04	1.9E-07	3.2E-07	4.3E-07	5.8E-09	7.6E-08	1.0E-07	5.8E-09	6.6E-08	8.8E-08	1.6E-07
582	R_122	259650.34	4021984.01	259650.34,	0.000340319	0.00065091	7.79E-04	2.0E-07	3.9E-07	4.6E-07	6.3E-09	9.1E-08	1.1E-07	6.3E-09	7.9E-08	9.4E-08	1.8E-07
583	R_123	259650.34	4022004.01	259650.34,	0.000369844	0.000821309	8.41E-04	2.2E-07	4.9E-07	5.0E-07	6.9E-09	1.1E-07	1.2E-07	6.9E-09	9.9E-08	1.0E-07	2.1E-07
584	R_124	259650.34	4022024.01	259650.34,	0.000403524	0.00114101	9.12E-04	2.4E-07	6.8E-07	5.4E-07	7.5E-09	1.6E-07	1.3E-07	7.5E-09	1.4E-07	1.1E-07	2.6E-07
585	R_125	259670.34	4021844.01	259670.34,	0.000216922	0.000301765	5.19E-04	1.3E-07	1.8E-07	3.1E-07	4.0E-09	4.2E-08	7.2E-08	4.0E-09	3.6E-08	6.3E-08	1.0E-07
586	R_126	259670.34	4021864.01	259670.34,	0.0002314	0.000325029	5.47E-04	1.4E-07	1.9E-07	3.2E-07	4.3E-09	4.5E-08	7.6E-08	4.3E-09	3.9E-08	6.6E-08	1.1E-07
587	R_127	259670.34	4021884.01	259670.34,	0.000247423	0.000352394	5.78E-04	1.5E-07	2.1E-07	3.4E-07	4.6E-09	4.9E-08	8.1E-08	4.6E-09	4.3E-08	7.0E-08	1.2E-07
588	R_128	259670.34	4021904.01	259670.34,	0.000265219	0.000385711	6.13E-04	1.6E-07	2.3E-07	3.6E-07	4.9E-09	5.4E-08	8.6E-08	4.9E-09	4.7E-08	7.4E-08	1.3E-07
589	R_129	259670.34	4021924.01	259670.34,	0.00028508	0.000427264	6.52E-04	1.7E-07	2.5E-07	3.9E-07	5.3E-09	6.0E-08	9.1E-08	5.3E-09	5.2E-08	7.9E-08	1.4E-07
590	R_130	259670.34	4021944.01	259670.34,	0.000307348	0.000481176	6.96E-04	1.8E-07	2.8E-07	4.1E-07	5.7E-09	6.7E-08	9.7E-08	5.7E-09	5.8E-08	8.4E-08	1.5E-07
591	R_131	259670.34	4021964.01	259670.34,	0.000332452	0.000554553	7.45E-04	2.0E-07	3.3E-07	4.4E-07	6.2E-09	7.7E-08	1.0E-07	6.2E-09	6.7E-08	9.0E-08	1.6E-07
592	R_132	259670.34	4021984.01	259670.34,	0.000360926	0.000661795	8.02E-04	2.1E-07	3.9E-07	4.7E-07	6.7E-09	9.2E-08	1.1E-07	6.7E-09	8.0E-08	9.7E-08	1.8E-07
593	R_133	259670.34	4022004.01	259670.34,	0.00039339	0.00083538	8.67E-04	2.3E-07	4.9E-07	5.1E-07	7.3E-09	1.2E-07	1.2E-07	7.3E-09	1.0E-07	1.0E-07	2.1E-07
594	R_134	259670.34	4022024.01	259670.34,	0.000430604	0.001163363	9.41E-04	2.5E-07	6.9E-07	5.6E-07	8.0E-09	1.6E-07	1.3E-07	8.0E-09	1.4E-07	1.1E-07	2.6E-07
595	R_135	259690.34	4021844.01	259690.34,	0.000225991	0.000308107	5.34E-04	1.3E-07	1.8E-07	3.2E-07	4.2E-09	4.3E-08	7.5E-08	4.2E-09	3.7E-08	6.5E-08	1.1E-07
596	R_136	259690.34	4021864.01	259690.34,	0.00024166	0.000331668	5.64E-04	1.4E-07	2.0E-07	3.3E-07	4.5E-09	4.6E-08	7.9E-08	4.5E-09	4.0E-08	6.8E-08	1.1E-07
597	R_137	259690.34	4021884.01	259690.34,	0.000259063	0.00035939	5.97E-04	1.5E-07	2.1E-07	3.5E-07	4.8E-09	5.0E-08	8.3E-08	4.8E-09	4.3E-08	7.2E-08	1.2E-07
598	R_138	259690.34	4021904.01	259690.34,	0.000278443	0.000393113	6.33E-04	1.6E-07	2.3E-07	3.7E-07	5.2E-09	5.5E-08	8.8E-08	5.2E-09	4.8E-08	7.7E-08	1.3E-07
599	R_139	259690.34	4021924.01	259690.34,	0.000300128	0.000435186	6.73E-04	1.8E-07	2.6E-07	4.0E-07	5.6E-09	6.1E-08	9.4E-08	5.6E-09	5.3E-08	8.1E-08	1.4E-07
600	R_140	259690.34	4021944.01	259690.34,	0.000324498	0.000489817	7.18E-04	1.9E-07	2.9E-07	4.3E-07	6.0E-09	6.8E-08	1.0E-07	6.0E-09	5.9E-08	8.7E-08	1.5E-07
601	R_141	259690.34	4021964.01	259690.34,	0.00035206	0.000564268	7.69E-04	2.1E-07	3.3E-07	4.6E-07	6.5E-09	7.9E-08	1.1E-07	6.5E-09	6.8E-08	9.3E-08	1.7E-07
602	R_142	259690.34	4021984.01	259690.34,	0.000383409	0.000673406	8.28E-04	2.3E-07	4.0E-07	4.9E-07	7.1E-09	9.4E-08	1.2E-07	7.1E-09	8.1E-08	1.0E-07	1.9E-07
603	R_143	259690.34	4022004.01	259690.34,	0.000419267	0.000850427	8.94E-04	2.5E-07	5.0E-07	5.3E-07	7.8E-09	1.2E-07	1.2E-07	7.8E-09	1.0E-07	1.1E-07	2.2E-07
604	R_144	259690.34	4022024.01	259690.34,	0.000460546	0.001186765	9.71E-04	2.7E-07	7.0E-07	5.7E-07	8.6E-09	1.7E-07	1.4E-07	8.6E-09	1.4E-07	1.2E-07	2.7E-07
605	R_145	259710.34	4021844.01	259710.34,	0.000235326	0.000315014	5.50E-04	1.4E-07	1.9E-07	3.3E-07	4.4E-09	4.4E-08	7.7E-08	4.4E-09	3.8E-08	6.6E-08	1.1E-07
606	R_146	259710.34	4021864.01	259710.34,	0.000252287	0.000338761	5.82E-04	1.5E-07	2.0E-07	3.4E-07	4.7E-09	4.7E-08	8.1E-08	4.7E-09	4.1E-08	7.0E-08	1.2E-07
607	R_147	259710.34	4021884.01	259710.34,	0.000271172	0.000366969	6.17E-04	1.6E-07	2.2E-07	3.7E-07	5.0E-09	5.1E-08	8.6E-08	5.0E-09	4.4E-08	7.5E-08	1.2E-07
608	R_148	259710.34	4021904.01	259710.34,	0.0002923	0.000401134	6.55E-04	1.7E-07	2.4E-07	3.9E-07	5.4E-09	5.6E-08	9.1E-08	5.4E-09	4.8E-08	7.9E-08	1.3E-07
609	R_149	259710.34	4021924.01	259710.34,	0.000316024	0.000443892	6.97E-04	1.9E-07	2.6E-07	4.1E-07	5.9E-09	6.2E-08	9.7E-08	5.9E-09	5.4E-08	8.4E-08	1.4E-07
610	R_150	259710.34	4021944.01	259710.34,	0.000342775	0.000499161	7.44E-04	2.0E-07	3.0E-07	4.4E-07	6.4E-09	7.0E-08	1.0E-07	6.4E-09	6.0E-08	9.0E-08	1.6E-07
611	R_151	259710.34	4021964.01	259710.34,	0.000373136	0.000574747	7.96E-04	2.2E-07	3.4E-07	4.7E-07	6.9E-09	8.0E-08	1.1E-07	6.9E-09	6.9E-08	9.6E-08	1.7E-07
612	R_152	259710.34	4021984.01	259710.34,	0.000407778	0.000685746	8.56E-04	2.4E-07	4.1E-07	5.1E-07	7.6E-09	9.6E-08	1.2E-07	7.6E-09	8.3E-08	1.0E-07	1.9E-07
613	R_153	259710.34	4022004.01	259710.34,	0.000447563	0.000866432	9.25E-04	2.6E-07	5.1E-07	5.5E-07	8.3E-09	1.2E-07	1.3E-07	8.3E-09	1.0E-07	1.1E-07	2.2E-07
614	R_154	259710.34	4022024.01	259710.34,	0.000493604	0.001211718	1.01E-03	2.9E-07	7.2E-07	5.9E-07	9.2E-09	1.7E-07	1.4E-07	9.2E-09	1.5E-07	1.2E-07	2.8E-07
615	R_155	259730.34	4021844.01	259730.34,	0.000244839	0.00032238	5.65E-04	1.4E-07	1.9E-07	3.3E-07	4.6E-09	4.5E-08	7.9E-08	4.6E-09	3.9E-08	6.8E-08	1.1E-07
616	R_156	259730.34	4021864.01	259730.34,	0.000263167	0.000346569	5.99E-04	1.6E-07	2.1E-07	3.5E-07	4.9E-09	4.8E-08	8.4E-08	4.9E-09	4.2E-08	7.2E-08	1.2E-07
617	R_157	259730.34	4021884.01	259730.34,	0.000283687	0.000375153	6.37E-04	1.7E-07	2.2E-07	3.8E-07	5.3E-09	5.2E-08	8.9E-08	5.3E-09	4.5E-08	7.7E-08	1.3E-07
618	R_158	259730.34	4021904.01	259730.34,	0.000306714	0.000409901	6.77E-04	1.8E-07	2.4E-07	4.0E-07	5.7E-09	5.7E-08	9.4E-08	5.7E-09	5.0E-08	8.2E-08	1.4E-07
619	R_159	259730.34	4021924.01	259730.34,	0.00033268	0.000453123	7.22E-04	2.0E-07	2.7E-07	4.3E-07	6.2E-09	6.3E-08	1.0E-07	6.2E-09	5.5E-08	8.7E-08	1.5E-07
620	R_160	259730.34	4021944.01	259730.34,	0.000362104	0.000509316	7.71E-04	2.1E-07	3.0E-07	4.6E-07	6.7E-09	7.1E-08	1.1E-07	6.7E-09	6.2E-08	9.3E-08	1.6E-07
621	R_161	259730.34	4021964.01	259730.34,	0.000395619	0.0005862	8.27E-04	2.3E-07	3.5E-07	4.9E-07	7.4E-09	8.2E-08	1.2E-07	7.4E-09	7.1E-08	1.0E-07	1.8E-07
622	R_162	259730.34	4021984.01	259730.34,	0.000434035	0.000699137	8.89E-04	2.6E-07	4.1E-07	5.3E-07	8.1E-09	9.8E-08	1.2E-07	8.1E-09	8.5E-08	1.1E-07	2.0E-07
623	R_163	259730.34	4022004.01	259730.34,	0.000478366	0.000883657	9.60E-04	2.8E-07	5.2E-07	5.7E-07	8.9E-09	1.2E-07	1.3E-07	8.9E-09	1.1E-07	1.2E-07	2.3E-07
624	R_164	259730.34	4022024.01	259730.34,	0.000529943	0.001238227	1.04E-03	3.1E-07	7.3E-07	6.2E-07	9.9E-09	1.7E-07	1.5E-07	9.9E-09	1.5E-07	1.3E-07	2.9E-07
625	R_165	259750.34	4021844.01	259750.34,	0.000254441	0.00033059	5.78E-04	1.5E-07	2.0E-07	3.4E-07	4.7E-09	4.6E-08	8.1E-08	4.7E-09	4.0E-08	7.0E-08	1.1E-07
626	R_166	259750.34	4021864.01	259750.34,	0.000274225	0.000355239	6.15E-04	1.6E-07	2.1E-07	3.6E-07	5.1E-09	5.0E-08	8.6E-08	5.1E-09	4.3E-08	7.4E-08	1.2E-07
627	R_167	259750.34	4021884.01	259750.34,	0.000296455	0.000384219	6.55E-04	1.8E-07	2.3E-07	3.9E-07	5.5E-09	5.4E-08	9.1E-08	5.5E-09	4.6E-08	7.9E-08	1.3E-07
628	R_168	259750.34	4021904.01	259750.34,	0.000321534	0.000419444	6.99E-04	1.9E-07	2.5E-07	4.1E-07	6.0E-09	5.9E-08	9.8E-08	6.0E-09	5.1E-08	8.5E-08	1.4E-07
629	R_169	259750.34	4021924.01	259750.34,	0.000349957	0.000463394	7.48E-04	2.1E-07	2.7E-07	4.4E-07	6.5E-09	6.5E-08	1.0E-07	6.5E-09	5.6E-08	9.0E-08	1.5E-07
630	R_170	259750.34	4021944.01	259750.34,	0.000382307	0.000520415	8.00E-04	2.3E-07	3.1E-07	4.7E-07	7.1E-09	7.3E-08	1.1E-07	7.1E-09	6.3E-08	9.7E-08	1.7E-07
631	R_171	259750.34	4021964.01	259750.34,	0.000419368	0.000598514	8.59E-04	2.5E-07	3.5E-07	5.1E-07	7.8E-09	8.3E-08	1.2E-07	7.8E-09	7.2E-08	1.0E-07	1.8E-07
632	R_172	259750.34	4021984.01	259750.34,	0.000462052	0.000713445	9.25E-04	2.7E-07	4.2E-07	5.5E-07	8.6E-09	1.0E-07	1.3E-07	8.6E-09	8.6E-08	1.1E-07	2.1E-07
633	R_173	259750.34	4022004.01	259750.34,	0.000511589	0.000902013	1.00E-03	3.0E-07	5.3E-07	5.9E-07	9.5E-09	1.3E-07	1.4E-07	9.5E-09	1.1E-07	1.2E-07	2.4E-07
634	R_174	259750.34	4022024.01	259750.34,	0.000569549	0.001265914	1.09E-03	3.4E-07	7.5E-07	6.4E-07	1.1E-08	1.8E-07	1.5E-07	1.1E-08	1.5E-07	1.3E-07	2.9E-07
635	R_175	259770.34	4021844.01	259770.34,	0.000264093	0.000339851	5.92E-04	1.6E-07	2.0E-07	3.5E-07	4.9E-09	4.7E-08	8.3E-08	4.9E-09	4.1E-08	7.2E-08	1.2E-07
636	R_176	259770.34	4021864.01	259770.34,	0.000285398	0.000364729	6.31E-04	1.7E-07	2.2E-07	3.7E-07	5.3E-09	5.1E-08	8.8E-08	5.3E-09	4.4E-08	7.6E-08	1.3E-07
637	R_177	259770.34	4021884.01	259770.34,	0.000309438	0.000394239	6.73E-04	1.8E-07	2.3E-07	4.0E-07	5.8E-09	5.5E-08	9.4E-08	5.8E-09	4.8E-08	8.1E-08	1.3E-07
638	R_178	259770.34	4021904.01	259770.34,	0.000336696	0.000429952	7.21E-04	2.0E-07	2.5E-07	4.3E-07	6.3E-09	6.0E-08	1.0E-07	6.3E-09	5.2E-08	8.7E-08	1.5E-07
639	R_179	259770.34	4021924.01	259770.34,	0.000367728	0.00047465	7.72E-04	2.2E-07	2.8E-07	4.6E-07	6.8E-09	6.6E-08	1.1E-07	6.8E-09	5.7E-08	9.3E-08	1.6E-07
640	R_180	259770.34	4021944.01	259770.34,	0.00040327	0.000532657	8.30E-04	2.4E-07	3.2E-07	4.9E-07	7.5E-09	7.4E-08	1.2E-07	7.5E-09	6.4E-08	1.0E-07	1.7E-07
641	R_181	259770.34	4021964.01	259770.34,	0.000444194	0.000612041	8.93E-04	2.6E-07	3.6E-07	5.3E-07	8.3E-09	8.5E-08	1.2E-07	8.3E-09	7.4E-08	1.1E-07	1.9E-07
642	R_182	259770.34	4021984.01	259770.34,	0.000491653	0.000729213	9.64E-04	2.9E-07	4.3E-07	5.7E-07	9.1E-09	1.0E-07	1.3E-07	9.1E-09	8.8E-08	1.2E-07	2.1E-07
643	R_183	259770.34	4022004.01	259770.34,	0.00054708	0.000921832	1.04E-03	3.2E-07	5.5E-07	6.2E-07	1.0E-08	1.3E-07	1.5E-07	1.0E-08	1.1E-07	1.3E-07	2.5E-07
644	R_184	259770.34	4022024.01	259770.34,	0.000612398	0.001295863	1.13E-03	3.6E-07	7.7E-07	6.7E-07	1.1E-08	1.8E-07	1.6E-07	1.1E-08	1.6E-07	1.4E-07	3.1E-07
645	R_185	259790.34	4021844.01	259790.34,	0.000273872	0.00035028	6.07E-04	1.6E-07	2.1E-07	3.6E-07	5.1E-09	4.9E-08	8.5E-08	5.1E-09	4.2E-08	7.3E-08	1.2E-07
646	R_186	259790.34	4021864.01	259790.34,	0.000296747	0.000375646	6.47E-04	1.8E-07	2.2E-07	3.8E-07	5.5E-09	5.2E-08	9.0E-08	5.5E-09	4.5E-08	7.8E-08	1.3E-07
647	R_187	259790.34	4021884.01	259790.34,	0.000322675	0.000405577	6.92E-04	1.9E-07	2.4E-07	4.1E-07	6.0E-09	5.7E-08	9.6E-08	6.0E-09	4.9E-08	8.4E-08	1.4E-07
648	R_188	259790.34	4021904.01	259790.34,	0.0003522	0.000441932	7.41E-04	2.1E-07	2.6E-07	4.4E-07	6.6E-09	6.2E-08	1.0E-07	6.6E-09	5.3E-08	9.0E-08	1.5E-07
649	R_189	259790.34	4021924.01	259790.34,	0.000386019	0.000487294	7.96E-04	2.3E-07	2.9E-07	4.7E-07	7.2E-09	6.8E-08	1.1E-07	7.2E-09	5.9E-08	9.6E-08	1.6E-07
650	R_190	259790.34	4021944.01	259790.34,	0.000424942	0.000546205	8.58E-04	2.5E-07	3.2E-07	5.1E-07	7.9E-09	7.6E-08	1.2E-07	7.9E-09	6.6E-08	1.0E-07	1.8E-07
651	R_191	259790.34	4021964.01	259790.34,	0.000470071	0.000627056	9.27E-04	2.8E-07	3.7E-07	5.5E-07	8.7E-09	8.7E-08	1.3E-07	8.7E-09	7.6E-08	1.1E-07	2.0E-07
652	R_192	259790.34	4021984.01	259790.34,	0.000522749	0.000746566	1.00E-03	3.1E-07	4.4E-07	5.9E-07	9.7E-09	1.0E-07	1.4E-07	9.7E-09	9.0E-08	1.2E-07	2.2E-07
653	R_193	259790.34	4022004.01	259790.34,	0.000584736	0.000943442	1.09E-03	3.5E-07	5.6E-07	6.4E-07	1.1E-08	1.3E-07	1.5E-07	1.1E-08	1.1E-07	1.3E-07	2.6E-07
654	R_194	259790.34	4022024.01	259790.34,	0.000658375	0.001327523	1.19E-03	3.9E-07	7.9E-07	7.0E-07	1.2E-08	1.9E-07	1.7E-07	1.2E-08	1.6E-07	1.4E-07	3.2E-07
655	R_195	259810.34	4021844.01	259810.34,	0.000284006	0.000362106	6.23E-04	1.7E-07	2.1E-07	3.7E-07	5.3E-09	5.1E-08	8.7E-08	5.3E-09	4.4E-08	7.5E-08	1.2E-07
656	R_196	259810.34	4021864.01	259810.34,	0.000308528	0.000387991	6.65E-04	1.8E-07	2.3E-07	3.9E-07	5.7E-09	5.4E-08	9.3E-08	5.7E-09	4.7E-08	8.0E-08	1.3E-07
657	R_197	259810.34	4021884.01	259810.34,	0.000336444	0.000418498	7.11E-04	2.0E-07	2.5E-07	4.2E-07	6.3E-09	5.8E-08	9.9E-08	6.3E-09	5.1E-08	8.6E-08	1.4E-07
658	R_198	259810.34	4021904.01	259810.34,	0.000368376	0.000455415	7.63E-04	2.2E-07	2.7E-07	4.5E-07	6.9E-09	6.4E-08	1.1E-07	6.9E-09	5.5E-08	9.2E-08	1.5E-07
659	R_199	259810.34	4021924.01	259810.34,	0.000405108	0.000501613	8.21E-04	2.4E-07	3.0E-07	4.9E-07	7.5E-09	7.0E-08	1.1E-07	7.5E-09	6.1E-08	9.9E-08	1.7E-07
660	R_200	259810.34	4021944.01	259810.34,	0.000447666	0.000561595	8.86E-04	2.6E-07	3.3E-07	5.2E-07	8.3E-09	7.8E-08	1.2E-07	8.3E-09	6.8E-08	1.1E-07	1.8E-07
661	R_201	259810.34	4021964.01	259810.34,	0.000497316	0.000643925	9.59E-04	2.9E-07	3.8E-07	5.7E-07	9.2E-09	9.0E-08	1.3E-07	9.2E-09	7.8E-08	1.2E-07	2.0E-07
662	R_202	259810.34	4021984.01	259810.34,	0.000555681	0.000765662	1.04E-03	3.3E-07	4.5E-07	6.2E-07	1.0E-08	1.1E-07	1.5E-07	1.0E-08	9.3E-08	1.3E-07	2.3E-07
663	R_203	259810.34	4022004.01	259810.34,	0.000624912	0.000966894	1.14E-03	3.7E-07	5.7E-07	6.7E-07	1.2E-08	1.3E-07	1.6E-07	1.2E-08	1.2E-07	1.4E-07	2.7E-07
664	R_204	259810.34	4022024.01	259810.34,	0.000707847	0.001362054	1.24E-03	4.2E-07	8.1E-07	7.4E-07	1.3E-08	1.9E-07	1.7E-07	1.3E-08	1.6E-07	1.5E-07	3.3E-07
665	R_205	259830.34	4021844.01	259830.34,	0.000294887	0.000376214	6.41E-04	1.7E-07	2.2E-07	3.8E-07	5.5E-09	5.2E-08	8.9E-08	5.5E-09	4.5E-08	7.8E-08	1.3E-07
666	R_206	259830.34	4021864.01	259830.34,	0.000321182	0.000402529	6.85E-04	1.9E-07	2.4E-07	4.1E-07	6.0E-09	5.6E-08	9.5E-08	6.0E-09	4.9E-08	8.3E-08	1.4E-07

667	R_207	259830.34	4021884.01	259830.34,	0.000351239	0.000433535	7.33E-04	2.1E-07	2.6E-07	4.3E-07	6.5E-09	6.0E-08	1.0E-07	6.5E-09	5.2E-08	8.9E-08	1.5E-07
668	R_208	259830.34	4021904.01	259830.34,	0.00038578	0.000471181	7.86E-04	2.3E-07	2.8E-07	4.7E-07	7.2E-09	6.6E-08	1.1E-07	7.2E-09	5.7E-08	9.5E-08	1.6E-07
669	R_209	259830.34	4021924.01	259830.34,	0.000425716	0.00051827	8.47E-04	2.5E-07	3.1E-07	5.0E-07	7.9E-09	7.2E-08	1.2E-07	7.9E-09	6.3E-08	1.0E-07	1.7E-07
670	R_210	259830.34	4021944.01	259830.34,	0.000472239	0.0005794	9.15E-04	2.8E-07	3.4E-07	5.4E-07	8.8E-09	8.1E-08	1.3E-07	8.8E-09	7.0E-08	1.1E-07	1.9E-07
671	R_211	259830.34	4021964.01	259830.34,	0.00052688	0.00066313	9.93E-04	3.1E-07	3.9E-07	5.9E-07	9.8E-09	9.3E-08	1.4E-07	9.8E-09	8.0E-08	1.2E-07	2.1E-07
672	R_212	259830.34	4021984.01	259830.34,	0.000591564	0.000787325	1.08E-03	3.5E-07	4.7E-07	6.4E-07	1.1E-08	1.1E-07	1.5E-07	1.1E-08	9.5E-08	1.3E-07	2.4E-07
673	R_213	259830.34	4022004.01	259830.34,	0.000668901	0.000993175	1.18E-03	4.0E-07	5.9E-07	7.0E-07	1.2E-08	1.4E-07	1.7E-07	1.2E-08	1.2E-07	1.4E-07	2.8E-07
674	R_214	259830.34	4022024.01	259830.34,	0.000762398	0.001399073	1.30E-03	4.5E-07	8.3E-07	7.7E-07	1.4E-08	2.0E-07	1.8E-07	1.4E-08	1.7E-07	1.6E-07	3.4E-07
675	R_215	259850.34	4021844.01	259850.34,	0.000307035	0.000392934	6.61E-04	1.8E-07	2.3E-07	3.9E-07	5.7E-09	5.5E-08	9.2E-08	5.7E-09	4.8E-08	8.0E-08	1.3E-07
676	R_216	259850.34	4021864.01	259850.34,	0.000335319	0.000419866	7.06E-04	2.0E-07	2.5E-07	4.2E-07	6.2E-09	5.9E-08	9.9E-08	6.2E-09	5.1E-08	8.5E-08	1.4E-07
677	R_217	259850.34	4021884.01	259850.34,	0.000367795	0.000451524	7.57E-04	2.2E-07	2.7E-07	4.5E-07	6.8E-09	6.3E-08	1.1E-07	6.8E-09	5.5E-08	9.1E-08	1.5E-07
678	R_218	259850.34	4021904.01	259850.34,	0.000405287	0.000489936	8.13E-04	2.4E-07	2.9E-07	4.8E-07	7.5E-09	6.8E-08	1.1E-07	7.5E-09	5.9E-08	9.8E-08	1.7E-07
679	R_219	259850.34	4021924.01	259850.34,	0.000448883	0.000537792	8.76E-04	2.7E-07	3.2E-07	5.2E-07	8.3E-09	7.5E-08	1.2E-07	8.3E-09	6.5E-08	1.1E-07	1.8E-07
680	R_220	259850.34	4021944.01	259850.34,	0.000499965	0.000600057	9.48E-04	3.0E-07	3.6E-07	5.6E-07	9.3E-09	8.4E-08	1.3E-07	9.3E-09	7.3E-08	1.1E-07	2.0E-07
681	R_221	259850.34	4021964.01	259850.34,	0.000560343	0.000685244	1.03E-03	3.3E-07	4.1E-07	6.1E-07	1.0E-08	9.6E-08	1.4E-07	1.0E-08	8.3E-08	1.2E-07	2.2E-07
682	R_222	259850.34	4021984.01	259850.34,	0.000632373	0.000811757	1.12E-03	3.7E-07	4.8E-07	6.7E-07	1.2E-08	1.1E-07	1.6E-07	1.2E-08	9.8E-08	1.4E-07	2.5E-07
683	R_223	259850.34	4022004.01	259850.34,	0.000719171	0.001022411	1.23E-03	4.3E-07	6.1E-07	7.3E-07	1.3E-08	1.4E-07	1.7E-07	1.3E-08	1.2E-07	1.5E-07	2.9E-07
684	R_224	259850.34	4022024.01	259850.34,	0.000825181	0.001441112	1.36E-03	4.9E-07	8.5E-07	8.0E-07	1.5E-08	2.0E-07	1.9E-07	1.5E-08	1.7E-07	1.6E-07	3.5E-07
685	R_225	259870.34	4021844.01	259870.34,	0.000321107	0.000413485	6.83E-04	1.9E-07	2.4E-07	4.0E-07	6.0E-09	5.8E-08	9.5E-08	6.0E-09	5.0E-08	8.3E-08	1.4E-07
686	R_226	259870.34	4021864.01	259870.34,	0.000351696	0.000440937	7.30E-04	2.1E-07	2.6E-07	4.3E-07	6.5E-09	6.2E-08	1.0E-07	6.5E-09	5.3E-08	8.8E-08	1.5E-07
687	R_227	259870.34	4021884.01	259870.34,	0.000386997	0.000473285	7.83E-04	2.3E-07	2.8E-07	4.6E-07	7.2E-09	6.6E-08	1.1E-07	7.2E-09	5.7E-08	9.5E-08	1.6E-07
688	R_228	259870.34	4021904.01	259870.34,	0.000427947	0.000512431	8.42E-04	2.5E-07	3.0E-07	5.0E-07	8.0E-09	7.1E-08	1.2E-07	8.0E-09	6.2E-08	1.0E-07	1.7E-07
689	R_229	259870.34	4021924.01	259870.34,	0.000475824	0.000561391	9.09E-04	2.8E-07	3.3E-07	5.4E-07	8.8E-09	7.8E-08	1.3E-07	8.8E-09	6.8E-08	1.1E-07	1.9E-07
690	R_230	259870.34	4021944.01	259870.34,	0.000532263	0.000625315	9.85E-04	3.1E-07	3.7E-07	5.8E-07	9.9E-09	8.7E-08	1.4E-07	9.9E-09	7.6E-08	1.2E-07	2.0E-07
691	R_231	259870.34	4021964.01	259870.34,	0.000599468	0.000712679	1.07E-03	3.5E-07	4.2E-07	6.3E-07	1.1E-08	9.9E-08	1.5E-07	1.1E-08	8.6E-08	1.3E-07	2.3E-07
692	R_232	259870.34	4021984.01	259870.34,	0.000680325	0.000842421	1.17E-03	4.0E-07	5.0E-07	6.9E-07	1.3E-08	1.2E-07	1.6E-07	1.3E-08	1.0E-07	1.4E-07	2.6E-07
693	R_233	259870.34	4022004.01	259870.34,	0.000778825	0.001057466	1.29E-03	4.6E-07	6.3E-07	7.6E-07	1.4E-08	1.5E-07	1.8E-07	1.4E-08	1.3E-07	1.6E-07	3.0E-07
694	R_234	259870.34	4022024.01	259870.34,	0.000900374	0.001487842	1.42E-03	5.3E-07	8.8E-07	8.4E-07	1.7E-08	2.1E-07	2.0E-07	1.7E-08	1.8E-07	1.7E-07	3.7E-07
695	R_235	259890.34	4021844.01	259890.34,	0.000337738	0.000438935	7.06E-04	2.0E-07	2.6E-07	4.2E-07	6.3E-09	6.1E-08	9.9E-08	6.3E-09	5.3E-08	8.5E-08	1.4E-07
696	R_236	259890.34	4021864.01	259890.34,	0.000371063	0.000467239	7.56E-04	2.2E-07	2.8E-07	4.5E-07	6.9E-09	6.5E-08	1.1E-07	6.9E-09	5.6E-08	9.1E-08	1.5E-07
697	R_237	259890.34	4021884.01	259890.34,	0.000409707	0.000500294	8.11E-04	2.4E-07	3.0E-07	4.8E-07	7.6E-09	7.0E-08	1.1E-07	7.6E-09	6.0E-08	9.8E-08	1.7E-07
698	R_238	259890.34	4021904.01	259890.34,	0.00045476	0.000540632	8.74E-04	2.7E-07	3.2E-07	5.2E-07	8.5E-09	7.5E-08	1.2E-07	8.5E-09	6.5E-08	1.1E-07	1.8E-07
699	R_239	259890.34	4021924.01	259890.34,	0.000507767	0.000590877	9.44E-04	3.0E-07	3.5E-07	5.6E-07	9.4E-09	8.2E-08	1.3E-07	9.4E-09	7.1E-08	1.1E-07	2.0E-07
700	R_240	259890.34	4021944.01	259890.34,	0.000570728	0.000656263	1.02E-03	3.4E-07	3.9E-07	6.1E-07	1.1E-08	9.2E-08	1.4E-07	1.1E-08	7.9E-08	1.2E-07	2.1E-07
701	R_241	259890.34	4021964.01	259890.34,	0.000646317	0.000745731	1.12E-03	3.8E-07	4.4E-07	6.6E-07	1.2E-08	1.0E-07	1.6E-07	1.2E-08	9.0E-08	1.3E-07	2.4E-07
702	R_242	259890.34	4021984.01	259890.34,	0.000738079	0.000878516	1.22E-03	4.4E-07	5.2E-07	7.2E-07	1.4E-08	1.2E-07	1.7E-07	1.4E-08	1.1E-07	1.5E-07	2.7E-07
703	R_243	259890.34	4022004.01	259890.34,	0.000851054	0.00109953	1.34E-03	5.0E-07	6.5E-07	8.0E-07	1.6E-08	1.5E-07	1.9E-07	1.6E-08	1.3E-07	1.6E-07	3.1E-07
704	R_244	259890.34	4022024.01	259890.34,	0.000992157	0.001543868	1.49E-03	5.9E-07	9.1E-07	8.8E-07	1.8E-08	2.2E-07	2.1E-07	1.8E-08	1.9E-07	1.8E-07	3.8E-07
705	R_245	259910.34	4021844.01	259910.34,	0.000357535	0.000471884	7.36E-04	2.1E-07	2.8E-07	4.4E-07	6.6E-09	6.6E-08	1.0E-07	6.6E-09	5.7E-08	8.9E-08	1.5E-07
706	R_246	259910.34	4021864.01	259910.34,	0.000394127	0.000500774	7.88E-04	2.3E-07	3.0E-07	4.7E-07	7.3E-09	7.0E-08	1.1E-07	7.3E-09	6.1E-08	9.5E-08	1.6E-07
707	R_247	259910.34	4021884.01	259910.34,	0.000436761	0.000534798	8.46E-04	2.6E-07	3.2E-07	5.0E-07	8.1E-09	7.5E-08	1.2E-07	8.1E-09	6.5E-08	1.0E-07	1.8E-07
708	R_248	259910.34	4021904.01	259910.34,	0.000486779	0.000576159	9.12E-04	2.9E-07	3.4E-07	5.4E-07	9.1E-09	8.0E-08	1.3E-07	9.1E-09	7.0E-08	1.1E-07	1.9E-07
709	R_249	259910.34	4021924.01	259910.34,	0.000546029	0.000627719	9.86E-04	3.2E-07	3.7E-07	5.8E-07	1.0E-08	8.8E-08	1.4E-07	1.0E-08	7.6E-08	1.2E-07	2.1E-07
710	R_250	259910.34	4021944.01	259910.34,	0.000616944	0.000694639	1.07E-03	3.7E-07	4.1E-07	6.3E-07	1.1E-08	9.7E-08	1.5E-07	1.1E-08	8.4E-08	1.3E-07	2.2E-07
711	R_251	259910.34	4021964.01	259910.34,	0.000702753	0.000786453	1.17E-03	4.2E-07	4.7E-07	6.9E-07	1.3E-08	1.1E-07	1.6E-07	1.3E-08	9.5E-08	1.4E-07	2.5E-07
712	R_252	259910.34	4021984.01	259910.34,	0.0008079	0.00092258	1.28E-03	4.8E-07	5.5E-07	7.6E-07	1.5E-08	1.3E-07	1.8E-07	1.5E-08	1.1E-07	1.5E-07	2.8E-07
713	R_253	259910.34	4022004.01	259910.34,	0.000938681	0.001149622	1.41E-03	5.6E-07	6.8E-07	8.4E-07	1.7E-08	1.6E-07	2.0E-07	1.7E-08	1.4E-07	1.7E-07	3.3E-07
714	R_254	259910.34	4022024.01	259910.34,	0.001104024	0.001609186	1.57E-03	6.5E-07	9.5E-07	9.3E-07	2.1E-08	2.2E-07	2.2E-07	2.1E-08	1.9E-07	1.9E-07	4.0E-07
715	R_255	259930.34	4021844.01	259930.34,	0.000380966	0.000516162	7.75E-04	2.3E-07	3.1E-07	4.6E-07	7.1E-09	7.2E-08	1.1E-07	7.1E-09	6.2E-08	9.4E-08	1.6E-07
716	R_256	259930.34	4021864.01	259930.34,	0.000421447	0.000545724	8.31E-04	2.5E-07	3.2E-07	4.9E-07	7.8E-09	7.6E-08	1.2E-07	7.8E-09	6.6E-08	1.0E-07	1.7E-07
717	R_257	259930.34	4021884.01	259930.34,	0.000468868	0.000580665	8.93E-04	2.8E-07	3.4E-07	5.3E-07	8.7E-09	8.1E-08	1.2E-07	8.7E-09	7.0E-08	1.1E-07	1.9E-07
718	R_258	259930.34	4021904.01	259930.34,	0.000524863	0.000623038	9.64E-04	3.1E-07	3.7E-07	5.7E-07	9.8E-09	8.7E-08	1.3E-07	9.8E-09	7.5E-08	1.2E-07	2.0E-07
719	R_259	259930.34	4021924.01	259930.34,	0.000591636	0.000675837	1.04E-03	3.5E-07	4.0E-07	6.2E-07	1.1E-08	9.4E-08	1.5E-07	1.1E-08	8.2E-08	1.3E-07	2.2E-07
720	R_260	259930.34	4021944.01	259930.34,	0.000672087	0.000744413	1.13E-03	4.0E-07	4.4E-07	6.7E-07	1.3E-08	1.0E-07	1.6E-07	1.3E-08	9.0E-08	1.4E-07	2.4E-07
721	R_261	259950.34	4021844.01	259950.34,	0.000408336	0.000579398	8.27E-04	2.4E-07	3.4E-07	4.9E-07	7.6E-09	8.1E-08	1.2E-07	7.6E-09	7.0E-08	1.0E-07	1.8E-07
722	R_262	259950.34	4021864.01	259950.34,	0.000453426	0.000609596	8.89E-04	2.7E-07	3.6E-07	5.3E-07	8.4E-09	8.5E-08	1.2E-07	8.4E-09	7.4E-08	1.1E-07	1.9E-07
723	R_263	259950.34	4021884.01	259950.34,	0.000506508	0.000645358	9.57E-04	3.0E-07	3.8E-07	5.7E-07	9.4E-09	9.0E-08	1.3E-07	9.4E-09	7.8E-08	1.2E-07	2.0E-07
724	R_264	259950.34	4021904.01	259950.34,	0.00056957	0.000688775	1.03E-03	3.4E-07	4.1E-07	6.1E-07	1.1E-08	9.6E-08	1.4E-07	1.1E-08	8.3E-08	1.3E-07	2.2E-07
725	R_265	259950.34	4021924.01	259950.34,	0.000645221	0.000742705	1.12E-03	3.8E-07	4.4E-07	6.6E-07	1.2E-08	1.0E-07	1.6E-07	1.2E-08	9.0E-08	1.4E-07	2.4E-07
726	R_266	259950.34	4021944.01	259950.34,	0.000736943	0.000812812	1.22E-03	4.4E-07	4.8E-07	7.2E-07	1.4E-08	1.1E-07	1.7E-07	1.4E-08	9.8E-08	1.5E-07	2.6E-07
727	R_267	259970.34	4021844.01	259970.34,	0.000439707	0.000680713	8.92E-04	2.6E-07	4.0E-07	5.3E-07	8.2E-09	9.5E-08	1.2E-07	8.2E-09	8.2E-08	1.1E-07	2.0E-07
728	R_268	259970.34	4021864.01	259970.34,	0.000490155	0.000711086	9.61E-04	2.9E-07	4.2E-07	5.7E-07	9.1E-09	9.9E-08	1.3E-07	9.1E-09	8.6E-08	1.2E-07	2.1E-07
729	R_269	259970.34	4021884.01	259970.34,	0.000549822	0.000747294	1.04E-03	3.3E-07	4.4E-07	6.1E-07	1.0E-08	1.0E-07	1.4E-07	1.0E-08	9.0E-08	1.3E-07	2.3E-07
730	R_270	259970.34	4021904.01	259970.34,	0.000621027	0.000792198	1.13E-03	3.7E-07	4.7E-07	6.7E-07	1.2E-08	1.1E-07	1.6E-07	1.2E-08	9.6E-08	1.4E-07	2.4E-07
731	R_271	259970.34	4021924.01	259970.34,	0.000706847	0.000847121	1.23E-03	4.2E-07	5.0E-07	7.3E-07	1.3E-08	1.2E-07	1.7E-07	1.3E-08	1.0E-07	1.5E-07	2.6E-07
732	R_272	259970.34	4021944.01	259970.34,	0.00081136	0.000918493	1.34E-03	4.8E-07	5.4E-07	7.9E-07	1.5E-08	1.3E-07	1.9E-07	1.5E-08	1.1E-07	1.6E-07	2.9E-07
733	R_273	259990.34	4021844.01	259990.34,	0.000474992	0.000875648	9.63E-04	2.8E-07	5.2E-07	5.7E-07	8.8E-09	1.2E-07	1.3E-07	8.8E-09	1.1E-07	1.2E-07	2.3E-07
734	R_274	259990.34	4021864.01	259990.34,	0.000531455	0.000903384	1.04E-03	3.1E-07	5.3E-07	6.2E-07	9.9E-09	1.3E-07	1.5E-07	9.9E-09	1.1E-07	1.3E-07	2.4E-07
735	R_275	259990.34	4021884.01	259990.34,	0.000598481	0.000937915	1.13E-03	3.5E-07	5.6E-07	6.7E-07	1.1E-08	1.3E-07	1.6E-07	1.1E-08	1.1E-07	1.4E-07	2.6E-07
736	R_276	259990.34	4021904.01	259990.34,	0.000678538	0.000985139	1.23E-03	4.0E-07	5.8E-07	7.3E-07	1.3E-08	1.4E-07	1.7E-07	1.3E-08	1.2E-07	1.5E-07	2.8E-07
737	R_277	259990.34	4021924.01	259990.34,	0.000775502	0.001039942	1.34E-03	4.6E-07	6.2E-07	8.0E-07	1.4E-08	1.5E-07	1.9E-07	1.4E-08	1.3E-07	1.6E-07	3.0E-07
738	R_278	259990.34	4021944.01	259990.34,	0.000893971	0.001110639	1.48E-03	5.3E-07	6.6E-07	8.7E-07	1.7E-08	1.5E-07	2.1E-07	1.7E-08	1.3E-07	1.8E-07	3.3E-07
739	R_279	260122.8	4022046.18	260122.8, 4	0.002531228	0.001605817	6.31E-03	1.5E-06	9.5E-07	3.7E-06	4.7E-08	2.2E-07	8.8E-07	4.7E-08	1.9E-07	7.6E-07	1.0E-06
740	R_280	260142.8	4022066.18	260142.8, 4	0.002605931	0.001495642	8.25E-03	1.5E-06	8.9E-07	4.9E-06	4.8E-08	2.1E-07	1.2E-06	4.8E-08	1.8E-07	1.0E-06	1.2E-06
741	R_281	260142.8	4022086.18	260142.8, 4	0.002823754	0.001346422	9.70E-03	1.7E-06	8.0E-07	5.7E-06	5.3E-08	1.9E-07	1.4E-06	5.3E-08	1.6E-07	1.2E-06	1.4E-06
742	R_282	260142.8	4022106.18	260142.8, 4	0.003022037	0.001267986	1.12E-02	1.8E-06	7.5E-07	6.7E-06	5.6E-08	1.8E-07	1.6E-06	5.6E-08	1.5E-07	1.4E-06	1.6E-06
743	R_283	260142.8	4022126.18	260142.8, 4	0.003185536	0.001211785	1.27E-02	1.9E-06	7.2E-07	7.5E-06	5.9E-08	1.7E-07	1.8E-06	5.9E-08	1.5E-07	1.5E-06	1.7E-06
744	R_284	260142.8	4022146.18	260142.8, 4	0.00330076	0.001159092	1.39E-02	2.0E-06	6.9E-07	8.2E-06	6.1E-08	1.6E-07	1.9E-06	6.1E-08	1.4E-07	1.7E-06	1.9E-06
745	R_285	260142.8	4022166.18	260142.8, 4	0.003357271	0.001103006	1.45E-02	2.0E-06	6.5E-07	8.6E-06	6.2E-08	1.5E-07	2.0E-06	6.2E-08	1.3E-07	1.8E-06	1.9E-06
746	R_286	260162.8	4022066.18	260162.8, 4	0.00236424	0.001398034	8.45E-03	1.4E-06	8.3E-07	5.0E-06	4.4E-08	2.0E-07	1.2E-06	4.4E-08	1.7E-07	1.0E-06	1.2E-06
747	R_287	260162.8	4022086.18	260162.8, 4	0.002512317	0.001239381	9.58E-03	1.5E-06	7.3E-07	5.7E-06	4.7E-08	1.7E-07	1.3E-06	4.7E-08	1.5E-07	1.2E-06	1.4E-06
748	R_288	260162.8	4022106.18	260162.8, 4	0.002633252	0.001150216	1.06E-02	1.6E-06	6.8E-07	6.3E-06	4.9E-08	1.6E-07	1.5E-06	4.9E-08	1.4E-07	1.3E-06	1.5E-06
749	R_289	260162.8	4022126.18	260162.8, 4	0.00271728	0.001084356	1.14E-02	1.6E-06	6.4E-07	6.8E-06	5.1E-08	1.5E-07	1.6E-06	5.1E-08	1.3E-07	1.4E-06	1.6E-06
750	R_290	260162.8	4022146.18	260162.8, 4	0.002758902	0.001026365	1.18E-02	1.6E-06	6.1E-07	7.0E-06	5.1E-08	1.4E-07	1.7E-06	5.1E-08	1.2E-07	1.4E-06	1.6E-06
751	R_291	260162.8	4022166.18	260162.8, 4	0.002756278	0.000970079	1.18E-02	1.6E-06	5.7E-07	7.0E-06	5.1E-08	1.4E-07	1.6E-06	5.1E-08	1.2E-07	1.4E-06	1.6E-06
752	R_292	260182.8	4022066.18	260182.8, 4	0.002119473	0.001306914	8.26E-03	1.3E-06	7.7E-07	4.9E-06	3.9E-08	1.8E-07	1.2E-06	3.9E-08	1.6E-07	1.0E-06	1.2E-06
753	R_293	260182.8	4022086.18	260182.8, 4	0.002213456	0.00114271	9.01E-03	1.3E-06	6.8E-07	5.3E-06	4.1E-08	1.6E-07	1.3E-06	4.1E-08	1.4E-07	1.1E-06	1.3E-06
754	R_294	260182.8	4022106.18	260182.8, 4	0.002281254	0.001047686	9.59E-03	1.4E-06	6.2E-07	5.7E-06	4.2E-08	1.5E-07	1.3E-06	4.2E-08	1.3E-07	1.2E-06	1.3E-06
755	R_295	260182.8	4022126.18	260182.8, 4	0.002317345	0.00097796	9.89E-03	1.4E-06	5.8E-07	5.9E-06	4.3E-08	1.4E-07	1.4E-06	4.3E-08	1.2E-07	1.2E-06	1.4E-06
756	R_296	260182.8	4022146.18	260182.8, 4	0.002316813	0.000918336	9.84E-03	1.4E-06	5.4E-07	5.8E-06	4.3E-08	1.3E-07	1.4E-06	4.3E-08	1.1E-07	1.2E-06	1.3E-06
757	R_297	260182.8	4022166.18	260182.8, 4	0.002282642	0.000863759	9.43E-03	1.4E-06	5.1E-07	5.6E-06	4.2E-08	1.2E-07	1.3E-06	4.2E-08	1.0E-07	1.1E-06	1.3E-06
758	R_298	260202.8	4022066.18	260202.8, 4	0.001886666	0.001223323	7.76E-03	1.1E-06	7.2E-07	4.6E-06	3.5E-08	1.7E-07	1.1E-06	3.5E-08	1.5E-07	9.4E-07	1.1E-06
759	R_299	260202.8	4022086.18	260202.8, 4	0.001935277	0.001056249	8.18E-03	1.1E-06	6.3E-07	4.8E-06	3.6E-08	1.5E-07	1.1E-06	3.6E-08	1.3E-07	9.9E-07	1.2E-06
760	R_300	260202.8	4022106.18	260202.8, 4	0.001963578	0.000958657	8.39E-03	1.2E-06	5.7E-07	5.0E-06	3.7E-08	1.3E-07	1.2E-06	3.7E-08	1.2E-07	1.0E-06	1.2E-06
761	R_301	260202.8	4022126.18	260202.8, 4	0.00196731	0.000887937	8.36E-03	1.2E-06	5.3E-07	4.9E-06	3.7E-08	1.2E-07	1.2E-06	3.7E-08	1.1E-07	1.0E-06	1.2E-06
762	R_302	260202.8	4022146.18	260202.8, 4	0.001944801	0.000829322	8.07E-03	1.2E-06	4.9E-07	4.8E-06	3.6E-08	1.2E-07	1.1E-06	3.6E-08	1.0E-07	9.8E-07	1.1E-06
763	R_303	260202.8	4022166.18	260202.8, 4	0.001899429	0.000777898	7.57E-03	1.1E-06	4.6E-07	4.5E-06	3.5E-08	1.1E-07	1.1E-06	3.5E-08	9.4E-08	9.2E-07	1.0E-06
764	W_1	260095.45	4022187.01	260095.45,	0.00569182	0.001523449	2.36E-02	3.4E-06	9.0E-07	1.4E-05	1.1E-07	2.1E-07	3.3E-06	1.1E-07	1.8E-07	2.8E-06	3.1E-06
765	W_2	260095.45	4022207.01	260095.45,	0.005828683	0.001445473	2.60E-02	3.4E-06	8.6E-07	1.5E-05	1.1E-07	2.0E-07	3.6E-06	1.1E-07	1.7E-07	3.1E-06	3.4E-06
766	W_3	260095.45	4022227.01	260095.45,	0.005789444	0.001353368	2.62E-02	3.4E-06	8.0E-07	1.6E-05	1.1E-07	1.9E-07	3.7E-06	1.1E-07	1.6E-07	3.2E-06	3.4E-06
767	W_4	260095.45	4022247.01	260095.45,	0.005589964	0.001264507	2.41E-02	3.3E-06	7.5E-07	1.4E-05	1.0E-07	1.8E-07	3.4E-06	1.0E-07	1.5E-07	2.9E-06	3.2E-06
768	W_5	260095.45	4022267.01	260095.45,	0.00526109	0.001189804	2.05E-02	3.1E-06	7.0E-07	1.2E-05	9.8E-08	1.7E-07	2.9E-06	9.8E-08	1.4E-07	2.5E-06	2.7E-06
769	W_6	260115.45	4022187.01	260115.45,	0.004532058	0.001278644	1.98E-02	2.7E-06	7.6E-07	1.2E-05	8.4E-08	1.8E-07	2.8E-06	8.4E-08	1.5E-07	2.4E-06	2.6E-06
770	W_7	260115.45	4022207.01	260115.45,	0.004524222	0.001205019	1.99E-02	2.7E-06	7.1E-07	1.2E-05	8.4E-08	1.7E-07	2.8E-06	8.4E-08	1.5E-07	2.4E-06	2.6E-06
771	W_8	260115.45	4022227.01	260115.45,	0.004405231	0.001129319	1.87E-02	2.6E-06	6.7E-07	1.1E-05	8.2E-08	1.6E-07	2.6E-06	8.2E-08	1.4E-07	2.3E-06	2.5E-06
772	W_9	260115.45	4022247.01	260115.45,	0.004191206	0.001060972	1.64E-02	2.5E-06	6.3E-07	9.7E-06	7.8E-08	1.5E-07	2.3E-06	7.8E-08	1.3E-07	2.0E-06	2.2E-06
773	W_10	260115.45	4022267.01	260115.45,	0.003904064	0.001004577	1.40E-02	2.3E-06	5.9E-07	8.3E-06	7.3E-08	1.4E-07	2.0E-06	7.3E-08	1.2E-07	1.7E-06	1.9E-06
774	W_11	260135.45	4022187.01	260135.45,	0.003626902	0.001095846	1.57E-02	2.1E-06	6.5E-07	9.3E-06	6.7E-08	1.5E-07	2.2E-06	6.7E-08	1.3E-07	1.9E-06	2.1E-06
775	W_12	260135.45	4022207.01	260135.45,	0.003554672	0.001031212	1.49E-02	2.1E-06	6.1E-07	8.8E-06	6.6E-08	1.4E-07	2.1E-06	6.6E-08	1.2E-07	1.8E-06	2.0E-06
776	W_13	260135.45	4022227.01	260135.45,	0.003413863	0.000969898	1.35E-02	2.0E-06	5.7E-07	8.0E-06	6.3E-08	1.4E-07	1.9E-06	6.3E-08	1.2E-07	1.6E-06	1.8E-06
777	W_14	260135.45	4022247.01	260135.45,	0.003217311	0.000916111	1.17E-02	1.9E-06	5.4E-07	6.9E-06	6.0E-08	1.3E-07	1.6E-06	6.0E-08	1.1E-07	1.4E-06	1.6E-06
778	W_15	260135.45	4022267.01	260135.45,	0.002979639	0.000870795	1.02E-02	1.8E-06	5.2E-07	6.0E-06	5.5E-08	1.2E-07	1.4E-06	5.5E-08	1.1E-07	1.2E-06	1.4E-06
779	W_16	260155.45	4022187.01	260155.45,	0.002919744	0.000955464	1.22E-02	1.7E-06	5.7E-07	7.2E-06	5.4E-08	1.3E-07	1.7E-06	5.4E-08	1.2E-07	1.5E-06	1.6E-06

780	W_17	260155.45	4022207.01	260155.45,	0.002824506	0.0008999	1.12E-02	1.7E-06	5.3E-07	6.6E-06	5.3E-08	1.3E-07	1.6E-06	5.3E-08	1.1E-07	1.4E-06	1.5E-06
781	W_18	260155.45	4022227.01	260155.45,	0.002687995	0.000849557	9.99E-03	1.6E-06	5.0E-07	5.9E-06	5.0E-08	1.2E-07	1.4E-06	5.0E-08	1.0E-07	1.2E-06	1.4E-06
782	W_19	260155.45	4022247.01	260155.45,	0.002520022	0.000805857	8.78E-03	1.5E-06	4.8E-07	5.2E-06	4.7E-08	1.1E-07	1.2E-06	4.7E-08	9.7E-08	1.1E-06	1.2E-06
783	W_20	260155.45	4022267.01	260155.45,	0.002331209	0.000768027	7.79E-03	1.4E-06	4.5E-07	4.6E-06	4.3E-08	1.1E-07	1.1E-06	4.3E-08	9.3E-08	9.4E-07	1.1E-06
784	W_21	260175.45	4022187.01	260175.45,	0.002379046	0.000845709	9.53E-03	1.4E-06	5.0E-07	5.6E-06	4.4E-08	1.2E-07	1.3E-06	4.4E-08	1.0E-07	1.2E-06	1.3E-06
785	W_22	260175.45	4022207.01	260175.45,	0.002279535	0.000797941	8.62E-03	1.3E-06	4.7E-07	5.1E-06	4.2E-08	1.1E-07	1.2E-06	4.2E-08	9.6E-08	1.0E-06	1.2E-06
786	W_23	260175.45	4022227.01	260175.45,	0.002155924	0.000755455	7.67E-03	1.3E-06	4.5E-07	4.5E-06	4.0E-08	1.1E-07	1.1E-06	4.0E-08	9.1E-08	9.3E-07	1.1E-06
787	W_24	260175.45	4022247.01	260175.45,	0.002015696	0.000718402	6.84E-03	1.2E-06	4.3E-07	4.0E-06	3.7E-08	1.0E-07	9.5E-07	3.7E-08	8.7E-08	8.3E-07	9.5E-07
788	W_25	260175.45	4022267.01	260175.45,	0.001864321	0.000685824	6.19E-03	1.1E-06	4.1E-07	3.7E-06	3.5E-08	9.6E-08	8.6E-07	3.5E-08	8.3E-08	7.5E-07	8.7E-07
789	W_26	260195.45	4022187.01	260195.45,	0.001958665	0.000758252	7.51E-03	1.2E-06	4.5E-07	4.4E-06	3.6E-08	1.1E-07	1.0E-06	3.6E-08	9.2E-08	9.1E-07	1.0E-06
790	W_27	260195.45	4022207.01	260195.45,	0.001864565	0.000716486	6.77E-03	1.1E-06	4.2E-07	4.0E-06	3.5E-08	1.0E-07	9.4E-07	3.5E-08	8.7E-08	8.2E-07	9.4E-07
791	W_28	260195.45	4022227.01	260195.45,	0.00175698	0.000679739	6.07E-03	1.0E-06	4.0E-07	3.6E-06	3.3E-08	9.5E-08	8.5E-07	3.3E-08	8.2E-08	7.3E-07	8.5E-07
792	W_29	260195.45	4022247.01	260195.45,	0.00164119	0.000647419	5.50E-03	9.7E-07	3.8E-07	3.3E-06	3.1E-08	9.0E-08	7.7E-07	3.1E-08	7.8E-08	6.7E-07	7.7E-07
793	W_30	260195.45	4022267.01	260195.45,	0.001519954	0.00061851	5.06E-03	9.0E-07	3.7E-07	3.0E-06	2.8E-08	8.6E-08	7.1E-07	2.8E-08	7.5E-08	6.1E-07	7.1E-07
794	W_31	260063.43	4022072.23	260063.43,	0.003339024	0.001995553	5.34E-03	2.0E-06	1.2E-06	3.2E-06	6.2E-08	2.8E-07	7.5E-07	6.2E-08	2.4E-07	6.5E-07	9.5E-07
795	W_32	260063.43	4022092.23	260063.43,	0.003956059	0.00195068	6.63E-03	2.3E-06	1.2E-06	3.9E-06	7.4E-08	2.7E-07	9.2E-07	7.4E-08	2.4E-07	8.0E-07	1.1E-06
796	W_33	260063.43	4022112.23	260063.43,	0.00468814	0.001980155	8.44E-03	2.8E-06	1.2E-06	5.0E-06	8.7E-08	2.8E-07	1.2E-06	8.7E-08	2.4E-07	1.0E-06	1.3E-06
797	W_34	260083.43	4022072.23	260083.43,	0.003270026	0.001792707	6.27E-03	1.9E-06	1.1E-06	3.7E-06	6.1E-08	2.5E-07	8.7E-07	6.1E-08	2.2E-07	7.6E-07	1.0E-06
798	W_35	260083.43	4022092.23	260083.43,	0.003787927	0.001729838	7.85E-03	2.2E-06	1.0E-06	4.6E-06	7.0E-08	2.4E-07	1.1E-06	7.0E-08	2.1E-07	9.5E-07	1.2E-06
799	W_36	260083.43	4022112.23	260083.43,	0.004369829	0.00173003	1.00E-02	2.6E-06	1.0E-06	5.9E-06	8.1E-08	2.4E-07	1.4E-06	8.1E-08	2.1E-07	1.2E-06	1.5E-06
800	W_37	260103.43	4022072.23	260103.43,	0.003120258	0.001655047	7.27E-03	1.8E-06	9.8E-07	4.3E-06	5.8E-08	2.3E-07	1.0E-06	5.8E-08	2.0E-07	8.8E-07	1.1E-06
801	W_38	260103.43	4022092.23	260103.43,	0.003527155	0.001571812	9.03E-03	2.1E-06	9.3E-07	5.3E-06	6.6E-08	2.2E-07	1.3E-06	6.6E-08	1.9E-07	1.1E-06	1.3E-06
802	W_39	260103.43	4022112.23	260103.43,	0.003958024	0.00154458	1.13E-02	2.3E-06	9.1E-07	6.7E-06	7.4E-08	2.2E-07	1.6E-06	7.4E-08	1.9E-07	1.4E-06	1.6E-06
803	R_304	260243.42	4022062.81	260243.42,	0.001467641	0.001118169	6.28E-03	8.7E-07	6.6E-07	3.7E-06	2.7E-08	1.6E-07	8.8E-07	2.7E-08	1.4E-07	7.6E-07	9.2E-07
804	R_305	260243.42	4022082.81	260243.42,	0.001476231	0.000934225	6.28E-03	8.7E-07	5.5E-07	3.7E-06	2.7E-08	1.3E-07	8.8E-07	2.7E-08	1.1E-07	7.6E-07	9.0E-07
805	R_306	260243.42	4022102.81	260243.42,	0.001468685	0.000829436	6.14E-03	8.7E-07	4.9E-07	3.6E-06	2.7E-08	1.2E-07	8.6E-07	2.7E-08	1.0E-07	7.4E-07	8.7E-07
806	R_307	260243.42	4022122.81	260243.42,	0.001445231	0.00075687	5.87E-03	8.6E-07	4.5E-07	3.5E-06	2.7E-08	1.1E-07	8.2E-07	2.7E-08	9.1E-08	7.1E-07	8.3E-07
807	R_308	260243.42	4022142.81	260243.42,	0.001407514	0.000700626	5.51E-03	8.3E-07	4.1E-07	3.3E-06	2.6E-08	9.8E-08	7.7E-07	2.6E-08	8.5E-08	6.7E-07	7.8E-07
808	R_309	260243.42	4022162.81	260243.42,	0.001357357	0.000654467	5.08E-03	8.0E-07	3.9E-07	3.0E-06	2.5E-08	9.1E-08	7.1E-07	2.5E-08	7.9E-08	6.1E-07	7.2E-07
809	R_310	260243.42	4022182.81	260243.42,	0.001296493	0.000615167	4.65E-03	7.7E-07	3.6E-07	2.8E-06	2.4E-08	8.6E-08	6.5E-07	2.4E-08	7.4E-08	5.6E-07	6.6E-07
810	R_311	260243.42	4022202.81	260243.42,	0.001227872	0.000581426	4.25E-03	7.3E-07	3.4E-07	2.5E-06	2.3E-08	8.1E-08	5.9E-07	2.3E-08	7.0E-08	5.1E-07	6.1E-07
811	R_312	260243.42	4022222.81	260243.42,	0.001155016	0.000552196	3.91E-03	6.8E-07	3.3E-07	2.3E-06	2.1E-08	7.7E-08	5.5E-07	2.1E-08	6.7E-08	4.7E-07	5.6E-07
812	R_313	260243.42	4022242.81	260243.42,	0.001081063	0.000526546	3.65E-03	6.4E-07	3.1E-07	2.2E-06	2.0E-08	7.3E-08	5.1E-07	2.0E-08	6.4E-08	4.4E-07	5.2E-07
813	R_314	260243.42	4022262.81	260243.42,	0.001008548	0.000503413	3.44E-03	6.0E-07	3.0E-07	2.0E-06	1.9E-08	7.0E-08	4.8E-07	1.9E-08	6.1E-08	4.2E-07	5.0E-07
814	R_315	260243.42	4022282.81	260243.42,	0.000939269	0.000482119	3.25E-03	5.6E-07	2.9E-07	1.9E-06	1.7E-08	6.7E-08	4.5E-07	1.7E-08	5.8E-08	3.9E-07	4.7E-07
815	R_316	260243.42	4022302.81	260243.42,	0.000874102	0.000463107	3.05E-03	5.2E-07	2.7E-07	1.8E-06	1.6E-08	6.5E-08	4.3E-07	1.6E-08	5.6E-08	3.7E-07	4.4E-07
816	R_317	260243.42	4022322.81	260243.42,	0.00081306	0.0004464	2.86E-03	4.8E-07	2.6E-07	1.7E-06	1.5E-08	6.2E-08	4.0E-07	1.5E-08	5.4E-08	3.5E-07	4.2E-07
817	R_318	260243.42	4022342.81	260243.42,	0.000756107	0.000432891	2.72E-03	4.5E-07	2.6E-07	1.6E-06	1.4E-08	6.0E-08	3.8E-07	1.4E-08	5.2E-08	3.3E-07	4.0E-07
818	R_319	260243.42	4022362.81	260243.42,	0.000703675	0.000422982	2.61E-03	4.2E-07	2.5E-07	1.5E-06	1.3E-08	5.9E-08	3.6E-07	1.3E-08	5.1E-08	3.2E-07	3.8E-07
819	R_320	260243.42	4022382.81	260243.42,	0.000655397	0.000416741	2.52E-03	3.9E-07	2.5E-07	1.5E-06	1.2E-08	5.8E-08	3.5E-07	1.2E-08	5.0E-08	3.0E-07	3.7E-07
820	R_321	260243.42	4022402.81	260243.42,	0.000611452	0.000413494	2.39E-03	3.6E-07	2.4E-07	1.4E-06	1.1E-08	5.8E-08	3.3E-07	1.1E-08	5.0E-08	2.9E-07	3.5E-07
821	R_322	260243.42	4022422.81	260243.42,	0.000572181	0.000413014	2.22E-03	3.4E-07	2.4E-07	1.3E-06	1.1E-08	5.8E-08	3.1E-07	1.1E-08	5.0E-08	2.7E-07	3.3E-07
822	R_323	260263.42	4022362.81	260263.42,	0.000617617	0.000394284	2.31E-03	3.7E-07	2.3E-07	1.4E-06	1.1E-08	5.5E-08	3.2E-07	1.1E-08	4.8E-08	2.8E-07	3.4E-07
823	R_324	260263.42	4022382.81	260263.42,	0.000578361	0.000388848	2.24E-03	3.4E-07	2.3E-07	1.3E-06	1.1E-08	5.4E-08	3.1E-07	1.1E-08	4.7E-08	2.7E-07	3.3E-07
824	R_325	260263.42	4022402.81	260263.42,	0.000542261	0.00038634	2.14E-03	3.2E-07	2.3E-07	1.3E-06	1.0E-08	5.4E-08	3.0E-07	1.0E-08	4.7E-08	2.6E-07	3.2E-07
825	R_326	260263.42	4022422.81	260263.42,	0.000509164	0.000386173	2.01E-03	3.0E-07	2.3E-07	1.2E-06	9.5E-09	5.4E-08	2.8E-07	9.5E-09	4.7E-08	2.4E-07	3.0E-07

Residential DOSEair =	**$(Cair*(BR/BW)*A*EF*10^{-6})$**	
A	1	Inhalation absorption factor[1]
EF	0.49	Exposure frequency (180/year)[2]
10^{-6}	1.0E-06	Micrograms to milligrams conversions, liters to cubic meters conversion[3]

Residential Risk =	**DOSEair * CPF * ASF * ED/AT * FAH**	
CPF	1.1	Cancer Potency Factor for DPM[4]
AT	70	Averaging Time[5]

Age	**BR/BW**	**ASF**	**FAH**	**ED (Const)**	**ED (Ops)**
Student	1200	3	1	0.666667	5
Student (Combined)	1200	3	1	0.666667	4.333333

Notes:

1 Inhalation Absorption Factor, OEHHA 2015, p 5-24
2 Exposure Frequency (days/year), OEHHA 2015, p 5-24, 350/365 days in a year for a resident, and OEHHA 2015, p 5-28, 250/365 days, 5 days/week, 50 weeks/year
3 µg to mg conversions, liters to cubic meters conversion, OEHHA 2015, Equation5.4.1.1, page 5-24
4 Cancer Potency Factor for DPM, OEHHA 2015, Table 7.1, page 7-5
5 Averaging Time, OEHHA 2015, Equation 8.2.4 A, page 8-7
6 Daily Breathing Rate normalized to Body Weight, OEHHA 2015, Table 5.7, page 5-25 (95 %ile for 3rd-2yrs, 80th for other age groups)
7 Age Sensitivity Factor, OEHHA 2015, Table 8.3, page 8-5
8 Exposure Duration, OEHHA 2015, Equation 8.2.4 A, page 8-7
9 Fraction of Time at Home, OEHHA 2015, Table 8.4, page 8-5
10 Worker Adjustment Factor, OEHHA 2015, Equation 5.4.1.2 B, page 5-29

Acute Risk - Fueling

OnSite Fueling

Emissions Rate (g/s): 2.37E-04

Discrete Receptor ID		X	Y	X, Y	Concentration [µg/m^3] at 1 g/s OnSite Fueling	1-hour Concentration [ug/m^3] OnSite Fueling	Total Concentration
1	BKGND	259429.52	4021822.74	259429.52, 4021822.74	167.68851	3.97E-02	3.97E-02
2	BKGND	259488.16	4021822.74	259488.16, 4021822.74	169.88572	4.02E-02	4.02E-02
3	BKGND	259546.8	4021822.74	259546.8, 4021822.74	199.40644	4.72E-02	4.72E-02
4	BKGND	259605.44	4021822.74	259605.44, 4021822.74	203.91299	4.83E-02	4.83E-02
5	BKGND	259664.08	4021822.74	259664.08, 4021822.74	224.2546	5.31E-02	5.31E-02
6	BKGND	259722.72	4021822.74	259722.72, 4021822.74	235.1992	5.57E-02	5.57E-02
7	BKGND	259781.36	4021822.74	259781.36, 4021822.74	247.8089	5.87E-02	5.87E-02
8	BKGND	259840	4021822.74	259840, 4021822.74	255.30222	6.04E-02	6.04E-02
9	BKGND	259898.64	4021822.74	259898.64, 4021822.74	270.69304	6.41E-02	6.41E-02
10	BKGND	259957.28	4021822.74	259957.28, 4021822.74	294.90392	6.98E-02	6.98E-02
11	BKGND	260015.92	4021822.74	260015.92, 4021822.74	295.54995	7.00E-02	7.00E-02
12	BKGND	260074.56	4021822.74	260074.56, 4021822.74	289.22515	6.85E-02	6.85E-02
13	BKGND	260133.2	4021822.74	260133.2, 4021822.74	275.59338	6.52E-02	6.52E-02
14	BKGND	260191.84	4021822.74	260191.84, 4021822.74	269.05922	6.37E-02	6.37E-02
15	BKGND	260250.48	4021822.74	260250.48, 4021822.74	249.79413	5.91E-02	5.91E-02
16	BKGND	260309.12	4021822.74	260309.12, 4021822.74	228.13894	5.40E-02	5.40E-02
17	BKGND	260367.76	4021822.74	260367.76, 4021822.74	228.04284	5.40E-02	5.40E-02
18	BKGND	260426.4	4021822.74	260426.4, 4021822.74	198.21428	4.69E-02	4.69E-02
19	BKGND	260485.04	4021822.74	260485.04, 4021822.74	183.59869	4.35E-02	4.35E-02
20	BKGND	260543.68	4021822.74	260543.68, 4021822.74	167.04585	3.95E-02	3.95E-02
21	BKGND	260602.32	4021822.74	260602.32, 4021822.74	158.63208	3.75E-02	3.75E-02
22	BKGND	259429.52	4021866.26	259429.52, 4021866.26	164.01078	3.88E-02	3.88E-02
23	BKGND	259488.16	4021866.26	259488.16, 4021866.26	194.02062	4.59E-02	4.59E-02
24	BKGND	259546.8	4021866.26	259546.8, 4021866.26	195.7076	4.63E-02	4.63E-02
25	BKGND	259605.44	4021866.26	259605.44, 4021866.26	232.43352	5.50E-02	5.50E-02
26	BKGND	259664.08	4021866.26	259664.08, 4021866.26	250.43196	5.93E-02	5.93E-02
27	BKGND	259722.72	4021866.26	259722.72, 4021866.26	259.61098	6.14E-02	6.14E-02
28	BKGND	259781.36	4021866.26	259781.36, 4021866.26	274.47389	6.50E-02	6.50E-02
29	BKGND	259840	4021866.26	259840, 4021866.26	292.00277	6.91E-02	6.91E-02
30	BKGND	259898.64	4021866.26	259898.64, 4021866.26	309.59627	7.33E-02	7.33E-02
31	BKGND	259957.28	4021866.26	259957.28, 4021866.26	329.43995	7.80E-02	7.80E-02
32	BKGND	260015.92	4021866.26	260015.92, 4021866.26	336.18787	7.96E-02	7.96E-02
33	BKGND	260074.56	4021866.26	260074.56, 4021866.26	322.79496	7.64E-02	7.64E-02
34	BKGND	260133.2	4021866.26	260133.2, 4021866.26	311.68325	7.38E-02	7.38E-02
35	BKGND	260191.84	4021866.26	260191.84, 4021866.26	294.94784	6.98E-02	6.98E-02
36	BKGND	260250.48	4021866.26	260250.48, 4021866.26	269.93912	6.39E-02	6.39E-02
37	BKGND	260309.12	4021866.26	260309.12, 4021866.26	287.30272	6.80E-02	6.80E-02
38	BKGND	260367.76	4021866.26	260367.76, 4021866.26	222.95287	5.28E-02	5.28E-02
39	BKGND	260426.4	4021866.26	260426.4, 4021866.26	219.59014	5.20E-02	5.20E-02
40	BKGND	260485.04	4021866.26	260485.04, 4021866.26	188.5509	4.46E-02	4.46E-02
41	BKGND	260543.68	4021866.26	260543.68, 4021866.26	182.91598	4.33E-02	4.33E-02
42	BKGND	260602.32	4021866.26	260602.32, 4021866.26	157.99958	3.74E-02	3.74E-02
43	BKGND	259429.52	4021909.78	259429.52, 4021909.78	173.94245	4.12E-02	4.12E-02
44	BKGND	259488.16	4021909.78	259488.16, 4021909.78	189.68675	4.49E-02	4.49E-02
45	BKGND	259546.8	4021909.78	259546.8, 4021909.78	224.13341	5.31E-02	5.31E-02
46	BKGND	259605.44	4021909.78	259605.44, 4021909.78	239.25091	5.66E-02	5.66E-02
47	BKGND	259664.08	4021909.78	259664.08, 4021909.78	255.95566	6.06E-02	6.06E-02
48	BKGND	259722.72	4021909.78	259722.72, 4021909.78	289.45135	6.85E-02	6.85E-02
49	BKGND	259781.36	4021909.78	259781.36, 4021909.78	308.55509	7.30E-02	7.30E-02
50	BKGND	259840	4021909.78	259840, 4021909.78	336.49165	7.96E-02	7.96E-02
51	BKGND	259898.64	4021909.78	259898.64, 4021909.78	349.30249	8.27E-02	8.27E-02
52	BKGND	259957.28	4021909.78	259957.28, 4021909.78	370.97084	8.78E-02	8.78E-02
53	BKGND	260015.92	4021909.78	260015.92, 4021909.78	393.06749	9.30E-02	9.30E-02
54	BKGND	260074.56	4021909.78	260074.56, 4021909.78	372.31405	8.81E-02	8.81E-02
55	BKGND	260133.2	4021909.78	260133.2, 4021909.78	350.35876	8.29E-02	8.29E-02
56	BKGND	260191.84	4021909.78	260191.84, 4021909.78	330.68417	7.83E-02	7.83E-02
57	BKGND	260250.48	4021909.78	260250.48, 4021909.78	297.7908	7.05E-02	7.05E-02
58	BKGND	260309.12	4021909.78	260309.12, 4021909.78	274.58554	6.50E-02	6.50E-02
59	BKGND	260367.76	4021909.78	260367.76, 4021909.78	255.30125	6.04E-02	6.04E-02
60	BKGND	260426.4	4021909.78	260426.4, 4021909.78	218.50137	5.17E-02	5.17E-02
61	BKGND	260485.04	4021909.78	260485.04, 4021909.78	213.29671	5.05E-02	5.05E-02
62	BKGND	260543.68	4021909.78	260543.68, 4021909.78	180.71419	4.28E-02	4.28E-02
63	BKGND	260602.32	4021909.78	260602.32, 4021909.78	165.93412	3.93E-02	3.93E-02
64	BKGND	259429.52	4021953.3	259429.52, 4021953.3	180.30239	4.27E-02	4.27E-02
65	BKGND	259488.16	4021953.3	259488.16, 4021953.3	202.40937	4.79E-02	4.79E-02
66	BKGND	259546.8	4021953.3	259546.8, 4021953.3	225.08078	5.33E-02	5.33E-02
67	BKGND	259605.44	4021953.3	259605.44, 4021953.3	256.92926	6.08E-02	6.08E-02
68	BKGND	259664.08	4021953.3	259664.08, 4021953.3	305.30815	7.23E-02	7.23E-02
69	BKGND	259722.72	4021953.3	259722.72, 4021953.3	333.57005	7.90E-02	7.90E-02
70	BKGND	259781.36	4021953.3	259781.36, 4021953.3	348.82819	8.26E-02	8.26E-02
71	BKGND	259840	4021953.3	259840, 4021953.3	377.84464	8.94E-02	8.94E-02
72	BKGND	259898.64	4021953.3	259898.64, 4021953.3	406.29043	9.62E-02	9.62E-02
73	BKGND	259957.28	4021953.3	259957.28, 4021953.3	422.58143	1.00E-01	1.00E-01
74	BKGND	260015.92	4021953.3	260015.92, 4021953.3	464.6823	1.10E-01	1.10E-01
75	BKGND	260074.56	4021953.3	260074.56, 4021953.3	434.5036	1.03E-01	1.03E-01
76	BKGND	260133.2	4021953.3	260133.2, 4021953.3	407.20543	9.64E-02	9.64E-02
77	BKGND	260191.84	4021953.3	260191.84, 4021953.3	366.75001	8.68E-02	8.68E-02
78	BKGND	260250.48	4021953.3	260250.48, 4021953.3	379.18205	8.98E-02	8.98E-02
79	BKGND	260309.12	4021953.3	260309.12, 4021953.3	298.58553	7.07E-02	7.07E-02
80	BKGND	260367.76	4021953.3	260367.76, 4021953.3	258.06351	6.11E-02	6.11E-02
81	BKGND	260426.4	4021953.3	260426.4, 4021953.3	251.98161	5.96E-02	5.96E-02
82	BKGND	260485.04	4021953.3	260485.04, 4021953.3	209.7689	4.97E-02	4.97E-02
83	BKGND	260543.68	4021953.3	260543.68, 4021953.3	189.35169	4.48E-02	4.48E-02
84	BKGND	260602.32	4021953.3	260602.32, 4021953.3	182.9038	4.33E-02	4.33E-02
85	BKGND	259429.52	4021996.82	259429.52, 4021996.82	197.98896	4.69E-02	4.69E-02

86	BKGND	259488.16	4021996.82	259488.16, 4021996.82	213.15813	5.05E-02	5.05E-02
87	BKGND	259546.8	4021996.82	259546.8, 4021996.82	240.00372	5.68E-02	5.68E-02
88	BKGND	259605.44	4021996.82	259605.44, 4021996.82	279.16096	6.61E-02	6.61E-02
89	BKGND	259664.08	4021996.82	259664.08, 4021996.82	306.84508	7.26E-02	7.26E-02
90	BKGND	259722.72	4021996.82	259722.72, 4021996.82	361.54218	8.56E-02	8.56E-02
91	BKGND	259781.36	4021996.82	259781.36, 4021996.82	394.62994	9.34E-02	9.34E-02
92	BKGND	259840	4021996.82	259840, 4021996.82	434.59342	1.03E-01	1.03E-01
93	BKGND	259898.64	4021996.82	259898.64, 4021996.82	473.62585	1.12E-01	1.12E-01
94	BKGND	259957.28	4021996.82	259957.28, 4021996.82	493.61266	1.17E-01	1.17E-01
95	BKGND	260015.92	4021996.82	260015.92, 4021996.82	579.84214	1.37E-01	1.37E-01
96	BKGND	260074.56	4021996.82	260074.56, 4021996.82	500.26456	1.18E-01	1.18E-01
97	BKGND	260133.2	4021996.82	260133.2, 4021996.82	463.93484	1.10E-01	1.10E-01
98	BKGND	260191.84	4021996.82	260191.84, 4021996.82	413.00028	9.78E-02	9.78E-02
99	BKGND	260250.48	4021996.82	260250.48, 4021996.82	355.5054	8.41E-02	8.41E-02
100	BKGND	260309.12	4021996.82	260309.12, 4021996.82	329.10601	7.79E-02	7.79E-02
101	BKGND	260367.76	4021996.82	260367.76, 4021996.82	302.29621	7.16E-02	7.16E-02
102	BKGND	260426.4	4021996.82	260426.4, 4021996.82	247.92373	5.87E-02	5.87E-02
103	BKGND	260485.04	4021996.82	260485.04, 4021996.82	220.16098	5.21E-02	5.21E-02
104	BKGND	260543.68	4021996.82	260543.68, 4021996.82	213.27203	5.05E-02	5.05E-02
105	BKGND	260602.32	4021996.82	260602.32, 4021996.82	182.38289	4.32E-02	4.32E-02
106	BKGND	259429.52	4022040.34	259429.52, 4022040.34	206.56369	4.89E-02	4.89E-02
107	BKGND	259488.16	4022040.34	259488.16, 4022040.34	232.02982	5.49E-02	5.49E-02
108	BKGND	259546.8	4022040.34	259546.8, 4022040.34	256.38805	6.07E-02	6.07E-02
109	BKGND	259605.44	4022040.34	259605.44, 4022040.34	291.40189	6.90E-02	6.90E-02
110	BKGND	259664.08	4022040.34	259664.08, 4022040.34	356.65352	8.44E-02	8.44E-02
111	BKGND	259722.72	4022040.34	259722.72, 4022040.34	403.15774	9.54E-02	9.54E-02
112	BKGND	259781.36	4022040.34	259781.36, 4022040.34	478.3686	1.13E-01	1.13E-01
113	BKGND	259840	4022040.34	259840, 4022040.34	515.60625	1.22E-01	1.22E-01
114	BKGND	259898.64	4022040.34	259898.64, 4022040.34	559.28591	1.32E-01	1.32E-01
115	BKGND	259957.28	4022040.34	259957.28, 4022040.34	599.35532	1.42E-01	1.42E-01
116	BKGND	260015.92	4022040.34	260015.92, 4022040.34	725.92341	1.72E-01	1.72E-01
117	BKGND	260074.56	4022040.34	260074.56, 4022040.34	600.49625	1.42E-01	1.42E-01
118	BKGND	260133.2	4022040.34	260133.2, 4022040.34	540.79818	1.28E-01	1.28E-01
119	BKGND	260191.84	4022040.34	260191.84, 4022040.34	530.48762	1.26E-01	1.26E-01
120	BKGND	260250.48	4022040.34	260250.48, 4022040.34	423.91755	1.00E-01	1.00E-01
121	BKGND	260309.12	4022040.34	260309.12, 4022040.34	369.02085	8.73E-02	8.73E-02
122	BKGND	260367.76	4022040.34	260367.76, 4022040.34	299.70329	7.09E-02	7.09E-02
123	BKGND	260426.4	4022040.34	260426.4, 4022040.34	264.83835	6.27E-02	6.27E-02
124	BKGND	260485.04	4022040.34	260485.04, 4022040.34	247.5419	5.86E-02	5.86E-02
125	BKGND	260543.68	4022040.34	260543.68, 4022040.34	211.43357	5.00E-02	5.00E-02
126	BKGND	260602.32	4022040.34	260602.32, 4022040.34	190.10538	4.50E-02	4.50E-02
127	BKGND	259429.52	4022083.86	259429.52, 4022083.86	214.33576	5.07E-02	5.07E-02
128	BKGND	259488.16	4022083.86	259488.16, 4022083.86	242.73136	5.75E-02	5.75E-02
129	BKGND	259546.8	4022083.86	259546.8, 4022083.86	275.48029	6.52E-02	6.52E-02
130	BKGND	259605.44	4022083.86	259605.44, 4022083.86	314.44035	7.44E-02	7.44E-02
131	BKGND	259664.08	4022083.86	259664.08, 4022083.86	365.10873	8.64E-02	8.64E-02
132	BKGND	259722.72	4022083.86	259722.72, 4022083.86	464.28212	1.10E-01	1.10E-01
133	BKGND	259781.36	4022083.86	259781.36, 4022083.86	557.8663	1.32E-01	1.32E-01
134	BKGND	259840	4022083.86	259840, 4022083.86	609.80629	1.44E-01	1.44E-01
135	BKGND	259898.64	4022083.86	259898.64, 4022083.86	711.93128	1.69E-01	1.69E-01
136	BKGND	259957.28	4022083.86	259957.28, 4022083.86	746.38778	1.77E-01	1.77E-01
137	BKGND	260015.92	4022083.86	260015.92, 4022083.86	903.39271	2.14E-01	2.14E-01
138	BKGND	260074.56	4022083.86	260074.56, 4022083.86	732.33413	1.73E-01	1.73E-01
139	BKGND	260133.2	4022083.86	260133.2, 4022083.86	631.45108	1.49E-01	1.49E-01
140	BKGND	260191.84	4022083.86	260191.84, 4022083.86	535.90217	1.27E-01	1.27E-01
141	BKGND	260250.48	4022083.86	260250.48, 4022083.86	459.46467	1.09E-01	1.09E-01
142	BKGND	260309.12	4022083.86	260309.12, 4022083.86	373.29645	8.84E-02	8.84E-02
143	BKGND	260367.76	4022083.86	260367.76, 4022083.86	328.59353	7.78E-02	7.78E-02
144	BKGND	260426.4	4022083.86	260426.4, 4022083.86	283.81022	6.72E-02	6.72E-02
145	BKGND	260485.04	4022083.86	260485.04, 4022083.86	249.24497	5.90E-02	5.90E-02
146	BKGND	260543.68	4022083.86	260543.68, 4022083.86	222.83204	5.27E-02	5.27E-02
147	BKGND	260602.32	4022083.86	260602.32, 4022083.86	199.44669	4.72E-02	4.72E-02
148	BKGND	259429.52	4022127.38	259429.52, 4022127.38	217.52311	5.15E-02	5.15E-02
149	BKGND	259488.16	4022127.38	259488.16, 4022127.38	257.43519	6.09E-02	6.09E-02
150	BKGND	259546.8	4022127.38	259546.8, 4022127.38	292.31047	6.92E-02	6.92E-02
151	BKGND	259605.44	4022127.38	259605.44, 4022127.38	341.71342	8.09E-02	8.09E-02
152	BKGND	259664.08	4022127.38	259664.08, 4022127.38	404.91752	9.58E-02	9.58E-02
153	BKGND	259722.72	4022127.38	259722.72, 4022127.38	480.29848	1.14E-01	1.14E-01
154	BKGND	259781.36	4022127.38	259781.36, 4022127.38	611.86926	1.45E-01	1.45E-01
155	BKGND	259840	4022127.38	259840, 4022127.38	776.98881	1.84E-01	1.84E-01
156	BKGND	259898.64	4022127.38	259898.64, 4022127.38	888.99856	2.10E-01	2.10E-01
157	BKGND	259957.28	4022127.38	259957.28, 4022127.38	990.38147	2.34E-01	2.34E-01
158	BKGND	260015.92	4022127.38	260015.92, 4022127.38	1090.4708	2.58E-01	2.58E-01
159	BKGND	260074.56	4022127.38	260074.56, 4022127.38	915.20174	2.17E-01	2.17E-01
160	BKGND	260133.2	4022127.38	260133.2, 4022127.38	807.05968	1.91E-01	1.91E-01
161	BKGND	260191.84	4022127.38	260191.84, 4022127.38	589.78369	1.40E-01	1.40E-01
162	BKGND	260250.48	4022127.38	260250.48, 4022127.38	484.33928	1.15E-01	1.15E-01
163	BKGND	260309.12	4022127.38	260309.12, 4022127.38	428.08284	1.01E-01	1.01E-01
164	BKGND	260367.76	4022127.38	260367.76, 4022127.38	346.69035	8.21E-02	8.21E-02
165	BKGND	260426.4	4022127.38	260426.4, 4022127.38	298.77664	7.07E-02	7.07E-02
166	BKGND	260485.04	4022127.38	260485.04, 4022127.38	262.56163	6.21E-02	6.21E-02
167	BKGND	260543.68	4022127.38	260543.68, 4022127.38	253.96774	6.01E-02	6.01E-02
168	BKGND	260602.32	4022127.38	260602.32, 4022127.38	250.41804	5.93E-02	5.93E-02
169	BKGND	259429.52	4022170.9	259429.52, 4022170.9	237.12556	5.61E-02	5.61E-02
170	BKGND	259488.16	4022170.9	259488.16, 4022170.9	264.15192	6.25E-02	6.25E-02
171	BKGND	259546.8	4022170.9	259546.8, 4022170.9	301.29304	7.13E-02	7.13E-02
172	BKGND	259605.44	4022170.9	259605.44, 4022170.9	367.70006	8.70E-02	8.70E-02
173	BKGND	259664.08	4022170.9	259664.08, 4022170.9	437.66159	1.04E-01	1.04E-01
174	BKGND	259722.72	4022170.9	259722.72, 4022170.9	545.46599	1.29E-01	1.29E-01
175	BKGND	259781.36	4022170.9	259781.36, 4022170.9	674.02022	1.60E-01	1.60E-01
176	BKGND	259840	4022170.9	259840, 4022170.9	925.80089	2.19E-01	2.19E-01
177	BKGND	259898.64	4022170.9	259898.64, 4022170.9	1161.88876	2.75E-01	2.75E-01
178	BKGND	259957.28	4022170.9	259957.28, 4022170.9	1389.49405	3.29E-01	3.29E-01
179	BKGND	260015.92	4022170.9	260015.92, 4022170.9	1476.24902	3.49E-01	3.49E-01
180	BKGND	260074.56	4022170.9	260074.56, 4022170.9	1163.92425	2.75E-01	2.75E-01
181	BKGND	260133.2	4022170.9	260133.2, 4022170.9	902.56854	2.14E-01	2.14E-01
182	BKGND	260191.84	4022170.9	260191.84, 4022170.9	666.5485	1.58E-01	1.58E-01
183	BKGND	260250.48	4022170.9	260250.48, 4022170.9	564.42696	1.34E-01	1.34E-01

184	BKGND	260309.12	4022170.9	260309.12, 4022170.9	440.95916	1.04E-01	1.04E-01
185	BKGND	260367.76	4022170.9	260367.76, 4022170.9	369.55161	8.75E-02	8.75E-02
186	BKGND	260426.4	4022170.9	260426.4, 4022170.9	360.04031	8.52E-02	8.52E-02
187	BKGND	260485.04	4022170.9	260485.04, 4022170.9	333.42658	7.89E-02	7.89E-02
188	BKGND	260543.68	4022170.9	260543.68, 4022170.9	272.36997	6.45E-02	6.45E-02
189	BKGND	260602.32	4022170.9	260602.32, 4022170.9	213.08183	5.04E-02	5.04E-02
190	BKGND	259429.52	4022214.42	259429.52, 4022214.42	236.60691	5.60E-02	5.60E-02
191	BKGND	259488.16	4022214.42	259488.16, 4022214.42	272.41408	6.45E-02	6.45E-02
192	BKGND	259546.8	4022214.42	259546.8, 4022214.42	315.15564	7.46E-02	7.46E-02
193	BKGND	259605.44	4022214.42	259605.44, 4022214.42	391.85616	9.28E-02	9.28E-02
194	BKGND	259664.08	4022214.42	259664.08, 4022214.42	459.31916	1.09E-01	1.09E-01
195	BKGND	259722.72	4022214.42	259722.72, 4022214.42	588.6847	1.39E-01	1.39E-01
196	BKGND	259781.36	4022214.42	259781.36, 4022214.42	769.57263	1.82E-01	1.82E-01
197	BKGND	259840	4022214.42	259840, 4022214.42	1052.36639	2.49E-01	2.49E-01
198	BKGND	259898.64	4022214.42	259898.64, 4022214.42	1625.92758	3.85E-01	3.85E-01
199	BKGND	259957.28	4022214.42	259957.28, 4022214.42	2205.46598	5.22E-01	5.22E-01
200	BKGND	260015.92	4022214.42	260015.92, 4022214.42	2199.27724	5.21E-01	5.21E-01
201	BKGND	260074.56	4022214.42	260074.56, 4022214.42	1506.66928	3.57E-01	3.57E-01
202	BKGND	260133.2	4022214.42	260133.2, 4022214.42	1007.24834	2.38E-01	2.38E-01
203	BKGND	260191.84	4022214.42	260191.84, 4022214.42	748.97856	1.77E-01	1.77E-01
204	BKGND	260250.48	4022214.42	260250.48, 4022214.42	586.55145	1.39E-01	1.39E-01
205	BKGND	260309.12	4022214.42	260309.12, 4022214.42	556.49367	1.32E-01	1.32E-01
206	BKGND	260367.76	4022214.42	260367.76, 4022214.42	461.83894	1.09E-01	1.09E-01
207	BKGND	260426.4	4022214.42	260426.4, 4022214.42	332.2375	7.86E-02	7.86E-02
208	BKGND	260485.04	4022214.42	260485.04, 4022214.42	283.27163	6.70E-02	6.70E-02
209	BKGND	260543.68	4022214.42	260543.68, 4022214.42	240.65871	5.70E-02	5.70E-02
210	BKGND	260602.32	4022214.42	260602.32, 4022214.42	210.93457	4.99E-02	4.99E-02
211	BKGND	259429.52	4022257.94	259429.52, 4022257.94	238.85472	5.65E-02	5.65E-02
212	BKGND	259488.16	4022257.94	259488.16, 4022257.94	274.58346	6.50E-02	6.50E-02
213	BKGND	259546.8	4022257.94	259546.8, 4022257.94	320.92415	7.60E-02	7.60E-02
214	BKGND	259605.44	4022257.94	259605.44, 4022257.94	392.35764	9.29E-02	9.29E-02
215	BKGND	259664.08	4022257.94	259664.08, 4022257.94	485.38632	1.15E-01	1.15E-01
216	BKGND	259722.72	4022257.94	259722.72, 4022257.94	629.81128	1.49E-01	1.49E-01
217	BKGND	259781.36	4022257.94	259781.36, 4022257.94	834.25949	1.97E-01	1.97E-01
218	BKGND	259840	4022257.94	259840, 4022257.94	1226.69669	2.90E-01	2.90E-01
219	BKGND	259898.64	4022257.94	259898.64, 4022257.94	2043.56893	4.84E-01	4.84E-01
220	BKGND	259957.28	4022257.94	259957.28, 4022257.94	4210.01679	9.97E-01	9.97E-01
221	BKGND	260015.92	4022257.94	260015.92, 4022257.94	3641.82846	8.62E-01	8.62E-01
222	BKGND	260074.56	4022257.94	260074.56, 4022257.94	1820.85034	4.31E-01	4.31E-01
223	BKGND	260133.2	4022257.94	260133.2, 4022257.94	1166.14128	2.76E-01	2.76E-01
224	BKGND	260191.84	4022257.94	260191.84, 4022257.94	988.93218	2.34E-01	2.34E-01
225	BKGND	260250.48	4022257.94	260250.48, 4022257.94	663.31799	1.57E-01	1.57E-01
226	BKGND	260309.12	4022257.94	260309.12, 4022257.94	488.78385	1.16E-01	1.16E-01
227	BKGND	260367.76	4022257.94	260367.76, 4022257.94	398.05349	9.42E-02	9.42E-02
228	BKGND	260426.4	4022257.94	260426.4, 4022257.94	339.27316	8.03E-02	8.03E-02
229	BKGND	260485.04	4022257.94	260485.04, 4022257.94	307.64857	7.28E-02	7.28E-02
230	BKGND	260543.68	4022257.94	260543.68, 4022257.94	276.25617	6.54E-02	6.54E-02
231	BKGND	260602.32	4022257.94	260602.32, 4022257.94	245.71438	5.82E-02	5.82E-02
232	BKGND	259429.52	4022301.46	259429.52, 4022301.46	247.9742	5.87E-02	5.87E-02
233	BKGND	259488.16	4022301.46	259488.16, 4022301.46	284.59837	6.74E-02	6.74E-02
234	BKGND	259546.8	4022301.46	259546.8, 4022301.46	331.21668	7.84E-02	7.84E-02
235	BKGND	259605.44	4022301.46	259605.44, 4022301.46	397.55319	9.41E-02	9.41E-02
236	BKGND	259664.08	4022301.46	259664.08, 4022301.46	495.64591	1.17E-01	1.17E-01
237	BKGND	259722.72	4022301.46	259722.72, 4022301.46	642.68086	1.52E-01	1.52E-01
238	BKGND	259781.36	4022301.46	259781.36, 4022301.46	887.14553	2.10E-01	2.10E-01
239	BKGND	259840	4022301.46	259840, 4022301.46	1320.109	3.12E-01	3.12E-01
240	BKGND	259898.64	4022301.46	259898.64, 4022301.46	2338.29629	5.53E-01	5.53E-01
241	BKGND	259957.28	4022301.46	259957.28, 4022301.46	8073.42175	1.91E+00	1.91E+00
242	BKGND	260015.92	4022301.46	260015.92, 4022301.46	5067.11829	1.20E+00	1.20E+00
243	BKGND	260074.56	4022301.46	260074.56, 4022301.46	2268.86616	5.37E-01	5.37E-01
244	BKGND	260133.2	4022301.46	260133.2, 4022301.46	1318.4198	3.12E-01	3.12E-01
245	BKGND	260191.84	4022301.46	260191.84, 4022301.46	952.90469	2.26E-01	2.26E-01
246	BKGND	260250.48	4022301.46	260250.48, 4022301.46	703.70187	1.67E-01	1.67E-01
247	BKGND	260309.12	4022301.46	260309.12, 4022301.46	544.85064	1.29E-01	1.29E-01
248	BKGND	260367.76	4022301.46	260367.76, 4022301.46	452.13591	1.07E-01	1.07E-01
249	BKGND	260426.4	4022301.46	260426.4, 4022301.46	382.39981	9.05E-02	9.05E-02
250	BKGND	260485.04	4022301.46	260485.04, 4022301.46	328.28516	7.77E-02	7.77E-02
251	BKGND	260543.68	4022301.46	260543.68, 4022301.46	285.60619	6.76E-02	6.76E-02
252	BKGND	260602.32	4022301.46	260602.32, 4022301.46	251.14336	5.94E-02	5.94E-02
253	BKGND	259429.52	4022344.98	259429.52, 4022344.98	281.58713	6.67E-02	6.67E-02
254	BKGND	259488.16	4022344.98	259488.16, 4022344.98	324.11816	7.67E-02	7.67E-02
255	BKGND	259546.8	4022344.98	259546.8, 4022344.98	378.45796	8.96E-02	8.96E-02
256	BKGND	259605.44	4022344.98	259605.44, 4022344.98	449.70574	1.06E-01	1.06E-01
257	BKGND	259664.08	4022344.98	259664.08, 4022344.98	546.61045	1.29E-01	1.29E-01
258	BKGND	259722.72	4022344.98	259722.72, 4022344.98	683.30552	1.62E-01	1.62E-01
259	BKGND	259781.36	4022344.98	259781.36, 4022344.98	960.97553	2.27E-01	2.27E-01
260	BKGND	259840	4022344.98	259840, 4022344.98	1450.49942	3.43E-01	3.43E-01
261	BKGND	259898.64	4022344.98	259898.64, 4022344.98	2485.50042	5.88E-01	5.88E-01
262	BKGND	259957.28	4022344.98	259957.28, 4022344.98	8384.95975	1.98E+00	1.98E+00
263	BKGND	260015.92	4022344.98	260015.92, 4022344.98	5097.26518	1.21E+00	1.21E+00
264	BKGND	260074.56	4022344.98	260074.56, 4022344.98	2105.13854	4.98E-01	4.98E-01
265	BKGND	260133.2	4022344.98	260133.2, 4022344.98	1279.82368	3.03E-01	3.03E-01
266	BKGND	260191.84	4022344.98	260191.84, 4022344.98	844.92914	2.00E-01	2.00E-01
267	BKGND	260250.48	4022344.98	260250.48, 4022344.98	620.60173	1.47E-01	1.47E-01
268	BKGND	260309.12	4022344.98	260309.12, 4022344.98	487.34826	1.15E-01	1.15E-01
269	BKGND	260367.76	4022344.98	260367.76, 4022344.98	396.04633	9.37E-02	9.37E-02
270	BKGND	260426.4	4022344.98	260426.4, 4022344.98	329.16629	7.79E-02	7.79E-02
271	BKGND	260485.04	4022344.98	260485.04, 4022344.98	280.86225	6.65E-02	6.65E-02
272	BKGND	260543.68	4022344.98	260543.68, 4022344.98	243.35184	5.76E-02	5.76E-02
273	BKGND	260602.32	4022344.98	260602.32, 4022344.98	213.32097	5.05E-02	5.05E-02
274	BKGND	259429.52	4022388.5	259429.52, 4022388.5	260.37238	6.16E-02	6.16E-02
275	BKGND	259488.16	4022388.5	259488.16, 4022388.5	301.88886	7.15E-02	7.15E-02
276	BKGND	259546.8	4022388.5	259546.8, 4022388.5	347.94714	8.24E-02	8.24E-02
277	BKGND	259605.44	4022388.5	259605.44, 4022388.5	397.29075	9.40E-02	9.40E-02
278	BKGND	259664.08	4022388.5	259664.08, 4022388.5	497.00589	1.18E-01	1.18E-01
279	BKGND	259722.72	4022388.5	259722.72, 4022388.5	631.84903	1.50E-01	1.50E-01
280	BKGND	259781.36	4022388.5	259781.36, 4022388.5	926.38901	2.19E-01	2.19E-01
281	BKGND	259840	4022388.5	259840, 4022388.5	1287.15866	3.05E-01	3.05E-01

282	BKGND	259898.64	4022388.5	259898.64, 4022388.5	2174.3484	5.15E-01	5.15E-01
283	BKGND	259957.28	4022388.5	259957.28, 4022388.5	4929.14597	1.17E+00	1.17E+00
284	BKGND	260015.92	4022388.5	260015.92, 4022388.5	4032.8264	9.55E-01	9.55E-01
285	BKGND	260074.56	4022388.5	260074.56, 4022388.5	2024.04921	4.79E-01	4.79E-01
286	BKGND	260133.2	4022388.5	260133.2, 4022388.5	1201.7511	2.84E-01	2.84E-01
287	BKGND	260191.84	4022388.5	260191.84, 4022388.5	875.7791	2.07E-01	2.07E-01
288	BKGND	260250.48	4022388.5	260250.48, 4022388.5	649.23385	1.54E-01	1.54E-01
289	BKGND	260309.12	4022388.5	260309.12, 4022388.5	485.82141	1.15E-01	1.15E-01
290	BKGND	260367.76	4022388.5	260367.76, 4022388.5	397.46231	9.41E-02	9.41E-02
291	BKGND	260426.4	4022388.5	260426.4, 4022388.5	338.41315	8.01E-02	8.01E-02
292	BKGND	260485.04	4022388.5	260485.04, 4022388.5	285.44641	6.76E-02	6.76E-02
293	BKGND	260543.68	4022388.5	260543.68, 4022388.5	245.59367	5.81E-02	5.81E-02
294	BKGND	260602.32	4022388.5	260602.32, 4022388.5	212.46322	5.03E-02	5.03E-02
295	BKGND	259429.52	4022432.02	259429.52, 4022432.02	237.30187	5.62E-02	5.62E-02
296	BKGND	259488.16	4022432.02	259488.16, 4022432.02	277.86712	6.58E-02	6.58E-02
297	BKGND	259546.8	4022432.02	259546.8, 4022432.02	320.79561	7.59E-02	7.59E-02
298	BKGND	259605.44	4022432.02	259605.44, 4022432.02	413.68959	9.79E-02	9.79E-02
299	BKGND	259664.08	4022432.02	259664.08, 4022432.02	496.36883	1.17E-01	1.17E-01
300	BKGND	259722.72	4022432.02	259722.72, 4022432.02	605.69305	1.43E-01	1.43E-01
301	BKGND	259781.36	4022432.02	259781.36, 4022432.02	828.50653	1.96E-01	1.96E-01
302	BKGND	259840	4022432.02	259840, 4022432.02	1126.51337	2.67E-01	2.67E-01
303	BKGND	259898.64	4022432.02	259898.64, 4022432.02	1777.44862	4.21E-01	4.21E-01
304	BKGND	259957.28	4022432.02	259957.28, 4022432.02	2514.62902	5.95E-01	5.95E-01
305	BKGND	260015.92	4022432.02	260015.92, 4022432.02	2199.38206	5.21E-01	5.21E-01
306	BKGND	260074.56	4022432.02	260074.56, 4022432.02	1704.73284	4.04E-01	4.04E-01
307	BKGND	260133.2	4022432.02	260133.2, 4022432.02	1136.64119	2.69E-01	2.69E-01
308	BKGND	260191.84	4022432.02	260191.84, 4022432.02	826.88158	1.96E-01	1.96E-01
309	BKGND	260250.48	4022432.02	260250.48, 4022432.02	598.31357	1.42E-01	1.42E-01
310	BKGND	260309.12	4022432.02	260309.12, 4022432.02	494.69655	1.17E-01	1.17E-01
311	BKGND	260367.76	4022432.02	260367.76, 4022432.02	420.87973	9.96E-02	9.96E-02
312	BKGND	260426.4	4022432.02	260426.4, 4022432.02	341.45281	8.08E-02	8.08E-02
313	BKGND	260485.04	4022432.02	260485.04, 4022432.02	276.97387	6.56E-02	6.56E-02
314	BKGND	260543.68	4022432.02	260543.68, 4022432.02	240.5696	5.69E-02	5.69E-02
315	BKGND	260602.32	4022432.02	260602.32, 4022432.02	213.39315	5.05E-02	5.05E-02
316	BKGND	259429.52	4022475.54	259429.52, 4022475.54	241.37075	5.71E-02	5.71E-02
317	BKGND	259488.16	4022475.54	259488.16, 4022475.54	290.41251	6.87E-02	6.87E-02
318	BKGND	259546.8	4022475.54	259546.8, 4022475.54	319.50373	7.56E-02	7.56E-02
319	BKGND	259605.44	4022475.54	259605.44, 4022475.54	361.25355	8.55E-02	8.55E-02
320	BKGND	259664.08	4022475.54	259664.08, 4022475.54	447.88546	1.06E-01	1.06E-01
321	BKGND	259722.72	4022475.54	259722.72, 4022475.54	616.45275	1.46E-01	1.46E-01
322	BKGND	259781.36	4022475.54	259781.36, 4022475.54	719.3502	1.70E-01	1.70E-01
323	BKGND	259840	4022475.54	259840, 4022475.54	927.51803	2.20E-01	2.20E-01
324	BKGND	259898.64	4022475.54	259898.64, 4022475.54	1336.72982	3.16E-01	3.16E-01
325	BKGND	259957.28	4022475.54	259957.28, 4022475.54	1538.69981	3.64E-01	3.64E-01
326	BKGND	260015.92	4022475.54	260015.92, 4022475.54	1422.61649	3.37E-01	3.37E-01
327	BKGND	260074.56	4022475.54	260074.56, 4022475.54	1286.39969	3.04E-01	3.04E-01
328	BKGND	260133.2	4022475.54	260133.2, 4022475.54	1016.13626	2.41E-01	2.41E-01
329	BKGND	260191.84	4022475.54	260191.84, 4022475.54	745.07135	1.76E-01	1.76E-01
330	BKGND	260250.48	4022475.54	260250.48, 4022475.54	622.76444	1.47E-01	1.47E-01
331	BKGND	260309.12	4022475.54	260309.12, 4022475.54	444.58074	1.05E-01	1.05E-01
332	BKGND	260367.76	4022475.54	260367.76, 4022475.54	375.85036	8.90E-02	8.90E-02
333	BKGND	260426.4	4022475.54	260426.4, 4022475.54	322.20371	7.63E-02	7.63E-02
334	BKGND	260485.04	4022475.54	260485.04, 4022475.54	287.65784	6.81E-02	6.81E-02
335	BKGND	260543.68	4022475.54	260543.68, 4022475.54	259.21194	6.14E-02	6.14E-02
336	BKGND	260602.32	4022475.54	260602.32, 4022475.54	219.72408	5.20E-02	5.20E-02
337	BKGND	259429.52	4022519.06	259429.52, 4022519.06	227.89425	5.39E-02	5.39E-02
338	BKGND	259488.16	4022519.06	259488.16, 4022519.06	254.16463	6.02E-02	6.02E-02
339	BKGND	259546.8	4022519.06	259546.8, 4022519.06	307.76591	7.28E-02	7.28E-02
340	BKGND	259605.44	4022519.06	259605.44, 4022519.06	350.4413	8.29E-02	8.29E-02
341	BKGND	259664.08	4022519.06	259664.08, 4022519.06	463.72864	1.10E-01	1.10E-01
342	BKGND	259722.72	4022519.06	259722.72, 4022519.06	511.52977	1.21E-01	1.21E-01
343	BKGND	259781.36	4022519.06	259781.36, 4022519.06	608.9992	1.44E-01	1.44E-01
344	BKGND	259840	4022519.06	259840, 4022519.06	834.61225	1.98E-01	1.98E-01
345	BKGND	259898.64	4022519.06	259898.64, 4022519.06	1012.16047	2.40E-01	2.40E-01
346	BKGND	259957.28	4022519.06	259957.28, 4022519.06	1109.00483	2.62E-01	2.62E-01
347	BKGND	260015.92	4022519.06	260015.92, 4022519.06	1042.28936	2.47E-01	2.47E-01
348	BKGND	260074.56	4022519.06	260074.56, 4022519.06	928.59479	2.20E-01	2.20E-01
349	BKGND	260133.2	4022519.06	260133.2, 4022519.06	860.61929	2.04E-01	2.04E-01
350	BKGND	260191.84	4022519.06	260191.84, 4022519.06	671.06765	1.59E-01	1.59E-01
351	BKGND	260250.48	4022519.06	260250.48, 4022519.06	533.65035	1.26E-01	1.26E-01
352	BKGND	260309.12	4022519.06	260309.12, 4022519.06	481.41524	1.14E-01	1.14E-01
353	BKGND	260367.76	4022519.06	260367.76, 4022519.06	380.34428	9.00E-02	9.00E-02
354	BKGND	260426.4	4022519.06	260426.4, 4022519.06	295.03224	6.98E-02	6.98E-02
355	BKGND	260485.04	4022519.06	260485.04, 4022519.06	265.2111	6.28E-02	6.28E-02
356	BKGND	260543.68	4022519.06	260543.68, 4022519.06	228.77371	5.42E-02	5.42E-02
357	BKGND	260602.32	4022519.06	260602.32, 4022519.06	217.2611	5.14E-02	5.14E-02
358	BKGND	259429.52	4022562.58	259429.52, 4022562.58	223.95415	5.30E-02	5.30E-02
359	BKGND	259488.16	4022562.58	259488.16, 4022562.58	241.72143	5.72E-02	5.72E-02
360	BKGND	259546.8	4022562.58	259546.8, 4022562.58	294.02075	6.96E-02	6.96E-02
361	BKGND	259605.44	4022562.58	259605.44, 4022562.58	356.52696	8.44E-02	8.44E-02
362	BKGND	259664.08	4022562.58	259664.08, 4022562.58	388.93588	9.21E-02	9.21E-02
363	BKGND	259722.72	4022562.58	259722.72, 4022562.58	446.97036	1.06E-01	1.06E-01
364	BKGND	259781.36	4022562.58	259781.36, 4022562.58	595.95773	1.41E-01	1.41E-01
365	BKGND	259840	4022562.58	259840, 4022562.58	681.79476	1.61E-01	1.61E-01
366	BKGND	259898.64	4022562.58	259898.64, 4022562.58	771.18055	1.83E-01	1.83E-01
367	BKGND	259957.28	4022562.58	259957.28, 4022562.58	821.49808	1.94E-01	1.94E-01
368	BKGND	260015.92	4022562.58	260015.92, 4022562.58	822.38693	1.95E-01	1.95E-01
369	BKGND	260074.56	4022562.58	260074.56, 4022562.58	726.64373	1.72E-01	1.72E-01
370	BKGND	260133.2	4022562.58	260133.2, 4022562.58	710.73326	1.68E-01	1.68E-01
371	BKGND	260191.84	4022562.58	260191.84, 4022562.58	615.86089	1.46E-01	1.46E-01
372	BKGND	260250.48	4022562.58	260250.48, 4022562.58	464.12025	1.10E-01	1.10E-01
373	BKGND	260309.12	4022562.58	260309.12, 4022562.58	405.22076	9.59E-02	9.59E-02
374	BKGND	260367.76	4022562.58	260367.76, 4022562.58	372.09274	8.81E-02	8.81E-02
375	BKGND	260426.4	4022562.58	260426.4, 4022562.58	308.56747	7.30E-02	7.30E-02
376	BKGND	260485.04	4022562.58	260485.04, 4022562.58	256.83724	6.08E-02	6.08E-02
377	BKGND	260543.68	4022562.58	260543.68, 4022562.58	218.16402	5.16E-02	5.16E-02
378	BKGND	260602.32	4022562.58	260602.32, 4022562.58	200.67295	4.75E-02	4.75E-02
379	BKGND	259429.52	4022606.1	259429.52, 4022606.1	208.07633	4.93E-02	4.93E-02

380	BKGND	259488.16	4022606.1	259488.16, 4022606.1	258.47182	6.12E-02	6.12E-02
381	BKGND	259546.8	4022606.1	259546.8, 4022606.1	280.24355	6.63E-02	6.63E-02
382	BKGND	259605.44	4022606.1	259605.44, 4022606.1	309.12339	7.32E-02	7.32E-02
383	BKGND	259664.08	4022606.1	259664.08, 4022606.1	351.85687	8.33E-02	8.33E-02
384	BKGND	259722.72	4022606.1	259722.72, 4022606.1	405.76411	9.60E-02	9.60E-02
385	BKGND	259781.36	4022606.1	259781.36, 4022606.1	518.88282	1.23E-01	1.23E-01
386	BKGND	259840	4022606.1	259840, 4022606.1	595.20573	1.41E-01	1.41E-01
387	BKGND	259898.64	4022606.1	259898.64, 4022606.1	650.03847	1.54E-01	1.54E-01
388	BKGND	259957.28	4022606.1	259957.28, 4022606.1	664.69978	1.57E-01	1.57E-01
389	BKGND	260015.92	4022606.1	260015.92, 4022606.1	642.14607	1.52E-01	1.52E-01
390	BKGND	260074.56	4022606.1	260074.56, 4022606.1	595.88884	1.41E-01	1.41E-01
391	BKGND	260133.2	4022606.1	260133.2, 4022606.1	527.76185	1.25E-01	1.25E-01
392	BKGND	260191.84	4022606.1	260191.84, 4022606.1	537.58551	1.27E-01	1.27E-01
393	BKGND	260250.48	4022606.1	260250.48, 4022606.1	464.03635	1.10E-01	1.10E-01
394	BKGND	260309.12	4022606.1	260309.12, 4022606.1	362.99526	8.59E-02	8.59E-02
395	BKGND	260367.76	4022606.1	260367.76, 4022606.1	321.43302	7.61E-02	7.61E-02
396	BKGND	260426.4	4022606.1	260426.4, 4022606.1	290.62404	6.88E-02	6.88E-02
397	BKGND	260485.04	4022606.1	260485.04, 4022606.1	274.24644	6.49E-02	6.49E-02
398	BKGND	260543.68	4022606.1	260543.68, 4022606.1	231.26787	5.47E-02	5.47E-02
399	BKGND	260602.32	4022606.1	260602.32, 4022606.1	187.85209	4.45E-02	4.45E-02
400	BKGND	259429.52	4022649.62	259429.52, 4022649.62	224.92545	5.32E-02	5.32E-02
401	BKGND	259488.16	4022649.62	259488.16, 4022649.62	230.63182	5.46E-02	5.46E-02
402	BKGND	259546.8	4022649.62	259546.8, 4022649.62	253.66604	6.00E-02	6.00E-02
403	BKGND	259605.44	4022649.62	259605.44, 4022649.62	286.19014	6.77E-02	6.77E-02
404	BKGND	259664.08	4022649.62	259664.08, 4022649.62	317.81877	7.52E-02	7.52E-02
405	BKGND	259722.72	4022649.62	259722.72, 4022649.62	403.89356	9.56E-02	9.56E-02
406	BKGND	259781.36	4022649.62	259781.36, 4022649.62	417.74789	9.89E-02	9.89E-02
407	BKGND	259840	4022649.62	259840, 4022649.62	478.46849	1.13E-01	1.13E-01
408	BKGND	259898.64	4022649.62	259898.64, 4022649.62	529.90399	1.25E-01	1.25E-01
409	BKGND	259957.28	4022649.62	259957.28, 4022649.62	559.12419	1.32E-01	1.32E-01
410	BKGND	260015.92	4022649.62	260015.92, 4022649.62	518.04041	1.23E-01	1.23E-01
411	BKGND	260074.56	4022649.62	260074.56, 4022649.62	518.99952	1.23E-01	1.23E-01
412	BKGND	260133.2	4022649.62	260133.2, 4022649.62	453.86012	1.07E-01	1.07E-01
413	BKGND	260191.84	4022649.62	260191.84, 4022649.62	467.21502	1.11E-01	1.11E-01
414	BKGND	260250.48	4022649.62	260250.48, 4022649.62	398.24702	9.43E-02	9.43E-02
415	BKGND	260309.12	4022649.62	260309.12, 4022649.62	372.61991	8.82E-02	8.82E-02
416	BKGND	260367.76	4022649.62	260367.76, 4022649.62	294.97111	6.98E-02	6.98E-02
417	BKGND	260426.4	4022649.62	260426.4, 4022649.62	265.9238	6.29E-02	6.29E-02
418	BKGND	260485.04	4022649.62	260485.04, 4022649.62	242.01306	5.73E-02	5.73E-02
419	BKGND	260543.68	4022649.62	260543.68, 4022649.62	238.80377	5.65E-02	5.65E-02
420	BKGND	260602.32	4022649.62	260602.32, 4022649.62	200.29342	4.74E-02	4.74E-02
421	BKGND	259429.52	4022693.14	259429.52, 4022693.14	200.03994	4.73E-02	4.73E-02
422	BKGND	259488.16	4022693.14	259488.16, 4022693.14	213.30064	5.05E-02	5.05E-02
423	BKGND	259546.8	4022693.14	259546.8, 4022693.14	236.46072	5.60E-02	5.60E-02
424	BKGND	259605.44	4022693.14	259605.44, 4022693.14	258.05361	6.11E-02	6.11E-02
425	BKGND	259664.08	4022693.14	259664.08, 4022693.14	315.15008	7.46E-02	7.46E-02
426	BKGND	259722.72	4022693.14	259722.72, 4022693.14	364.07414	8.62E-02	8.62E-02
427	BKGND	259781.36	4022693.14	259781.36, 4022693.14	395.45413	9.36E-02	9.36E-02
428	BKGND	259840	4022693.14	259840, 4022693.14	439.66224	1.04E-01	1.04E-01
429	BKGND	259898.64	4022693.14	259898.64, 4022693.14	457.29537	1.08E-01	1.08E-01
430	BKGND	259957.28	4022693.14	259957.28, 4022693.14	477.68344	1.13E-01	1.13E-01
431	BKGND	260015.92	4022693.14	260015.92, 4022693.14	439.87708	1.04E-01	1.04E-01
432	BKGND	260074.56	4022693.14	260074.56, 4022693.14	419.97671	9.94E-02	9.94E-02
433	BKGND	260133.2	4022693.14	260133.2, 4022693.14	394.66429	9.34E-02	9.34E-02
434	BKGND	260191.84	4022693.14	260191.84, 4022693.14	365.18312	8.64E-02	8.64E-02
435	BKGND	260250.48	4022693.14	260250.48, 4022693.14	367.69187	8.70E-02	8.70E-02
436	BKGND	260309.12	4022693.14	260309.12, 4022693.14	342.92655	8.12E-02	8.12E-02
437	BKGND	260367.76	4022693.14	260367.76, 4022693.14	301.50022	7.14E-02	7.14E-02
438	BKGND	260426.4	4022693.14	260426.4, 4022693.14	244.80922	5.79E-02	5.79E-02
439	BKGND	260485.04	4022693.14	260485.04, 4022693.14	225.1509	5.33E-02	5.33E-02
440	BKGND	260543.68	4022693.14	260543.68, 4022693.14	211.63535	5.01E-02	5.01E-02
441	BKGND	260602.32	4022693.14	260602.32, 4022693.14	205.89264	4.87E-02	4.87E-02
442	R_1	259632.9	4022073.46	259632.9, 4022073.46	333.39319	7.89E-02	7.89E-02
443	R_2	259632.9	4022093.46	259632.9, 4022093.46	341.2575	8.08E-02	8.08E-02
444	R_3	259632.9	4022113.46	259632.9, 4022113.46	364.50015	8.63E-02	8.63E-02
445	R_4	259632.9	4022133.46	259632.9, 4022133.46	369.75311	8.75E-02	8.75E-02
446	R_5	259632.9	4022153.46	259632.9, 4022153.46	385.60523	9.13E-02	9.13E-02
447	R_6	259632.9	4022173.46	259632.9, 4022173.46	396.57828	9.39E-02	9.39E-02
448	R_7	259632.9	4022193.46	259632.9, 4022193.46	405.34414	9.59E-02	9.59E-02
449	R_8	259632.9	4022213.46	259632.9, 4022213.46	412.64494	9.77E-02	9.77E-02
450	R_9	259632.9	4022233.46	259632.9, 4022233.46	429.59146	1.02E-01	1.02E-01
451	R_10	259652.9	4022073.46	259652.9, 4022073.46	348.06582	8.24E-02	8.24E-02
452	R_11	259652.9	4022093.46	259652.9, 4022093.46	362.37045	8.58E-02	8.58E-02
453	R_12	259652.9	4022113.46	259652.9, 4022113.46	376.28227	8.91E-02	8.91E-02
454	R_13	259652.9	4022133.46	259652.9, 4022133.46	398.44756	9.43E-02	9.43E-02
455	R_14	259652.9	4022153.46	259652.9, 4022153.46	410.98957	9.73E-02	9.73E-02
456	R_15	259652.9	4022173.46	259652.9, 4022173.46	421.00916	9.97E-02	9.97E-02
457	R_16	259652.9	4022193.46	259652.9, 4022193.46	441.90705	1.05E-01	1.05E-01
458	R_17	259652.9	4022213.46	259652.9, 4022213.46	440.60679	1.04E-01	1.04E-01
459	R_18	259652.9	4022233.46	259652.9, 4022233.46	469.74638	1.11E-01	1.11E-01
460	R_19	259672.9	4022073.46	259672.9, 4022073.46	362.23783	8.57E-02	8.57E-02
461	R_20	259672.9	4022093.46	259672.9, 4022093.46	382.00521	9.04E-02	9.04E-02
462	R_21	259672.9	4022113.46	259672.9, 4022113.46	392.13425	9.28E-02	9.28E-02
463	R_22	259672.9	4022133.46	259672.9, 4022133.46	421.7288	9.98E-02	9.98E-02
464	R_23	259672.9	4022153.46	259672.9, 4022153.46	436.5333	1.03E-01	1.03E-01
465	R_24	259672.9	4022173.46	259672.9, 4022173.46	453.22656	1.07E-01	1.07E-01
466	R_25	259672.9	4022193.46	259672.9, 4022193.46	467.71016	1.11E-01	1.11E-01
467	R_26	259672.9	4022213.46	259672.9, 4022213.46	470.24349	1.11E-01	1.11E-01
468	R_27	259672.9	4022233.46	259672.9, 4022233.46	505.58315	1.20E-01	1.20E-01
469	R_28	259692.9	4022073.46	259692.9, 4022073.46	402.05594	9.52E-02	9.52E-02
470	R_29	259692.9	4022093.46	259692.9, 4022093.46	402.22824	9.52E-02	9.52E-02
471	R_30	259692.9	4022113.46	259692.9, 4022113.46	425.55803	1.01E-01	1.01E-01
472	R_31	259692.9	4022133.46	259692.9, 4022133.46	439.74074	1.04E-01	1.04E-01
473	R_32	259692.9	4022153.46	259692.9, 4022153.46	472.61171	1.12E-01	1.12E-01
474	R_33	259692.9	4022173.46	259692.9, 4022173.46	486.25114	1.15E-01	1.15E-01
475	R_34	259692.9	4022193.46	259692.9, 4022193.46	502.97698	1.19E-01	1.19E-01
476	R_35	259692.9	4022213.46	259692.9, 4022213.46	523.54738	1.24E-01	1.24E-01
477	R_36	259692.9	4022233.46	259692.9, 4022233.46	533.39583	1.26E-01	1.26E-01

478	R_37	259712.9	4022073.46	259712.9, 4022073.46	439.87929	1.04E-01	1.04E-01
479	R_38	259712.9	4022093.46	259712.9, 4022093.46	440.78677	1.04E-01	1.04E-01
480	R_39	259712.9	4022113.46	259712.9, 4022113.46	450.50773	1.07E-01	1.07E-01
481	R_40	259712.9	4022133.46	259712.9, 4022133.46	474.17057	1.12E-01	1.12E-01
482	R_41	259712.9	4022153.46	259712.9, 4022153.46	493.46421	1.17E-01	1.17E-01
483	R_42	259712.9	4022173.46	259712.9, 4022173.46	524.80531	1.24E-01	1.24E-01
484	R_43	259712.9	4022193.46	259712.9, 4022193.46	544.01917	1.29E-01	1.29E-01
485	R_44	259712.9	4022213.46	259712.9, 4022213.46	569.42496	1.35E-01	1.35E-01
486	R_45	259712.9	4022233.46	259712.9, 4022233.46	572.71481	1.36E-01	1.36E-01
487	R_46	259732.9	4022073.46	259732.9, 4022073.46	432.58467	1.02E-01	1.02E-01
488	R_47	259732.9	4022093.46	259732.9, 4022093.46	490.20656	1.16E-01	1.16E-01
489	R_48	259732.9	4022113.46	259732.9, 4022113.46	485.58283	1.15E-01	1.15E-01
490	R_49	259732.9	4022133.46	259732.9, 4022133.46	505.45147	1.20E-01	1.20E-01
491	R_50	259732.9	4022153.46	259732.9, 4022153.46	524.98562	1.24E-01	1.24E-01
492	R_51	259732.9	4022173.46	259732.9, 4022173.46	569.25972	1.35E-01	1.35E-01
493	R_52	259732.9	4022193.46	259732.9, 4022193.46	588.60886	1.39E-01	1.39E-01
494	R_53	259732.9	4022213.46	259732.9, 4022213.46	614.76485	1.46E-01	1.46E-01
495	R_54	259732.9	4022233.46	259732.9, 4022233.46	627.42154	1.49E-01	1.49E-01
496	R_55	259752.9	4022073.46	259752.9, 4022073.46	479.36117	1.13E-01	1.13E-01
497	R_56	259752.9	4022093.46	259752.9, 4022093.46	485.03888	1.15E-01	1.15E-01
498	R_57	259772.9	4022073.46	259772.9, 4022073.46	526.92032	1.25E-01	1.25E-01
499	R_58	259772.9	4022093.46	259772.9, 4022093.46	545.8838	1.29E-01	1.29E-01
500	R_59	259792.9	4022073.46	259792.9, 4022073.46	533.20318	1.26E-01	1.26E-01
501	R_60	259792.9	4022093.46	259792.9, 4022093.46	590.77129	1.40E-01	1.40E-01
502	R_61	259812.9	4022073.46	259812.9, 4022073.46	568.39959	1.35E-01	1.35E-01
503	R_62	259812.9	4022093.46	259812.9, 4022093.46	618.86019	1.46E-01	1.46E-01
504	R_63	259832.9	4022073.46	259832.9, 4022073.46	571.47413	1.35E-01	1.35E-01
505	R_64	259832.9	4022093.46	259832.9, 4022093.46	647.53397	1.53E-01	1.53E-01
506	S_1	259920.63	4022125.03	259920.63, 4022125.03	918.31032	2.17E-01	2.17E-01
507	S_2	259920.63	4022145.03	259920.63, 4022145.03	1064.73986	2.52E-01	2.52E-01
508	S_3	259920.63	4022165.03	259920.63, 4022165.03	1221.34012	2.89E-01	2.89E-01
509	S_4	259940.63	4022105.03	259940.63, 4022105.03	855.9975	2.03E-01	2.03E-01
510	S_5	259940.63	4022125.03	259940.63, 4022125.03	965.94737	2.29E-01	2.29E-01
511	S_6	259940.63	4022145.03	259940.63, 4022145.03	1110.64336	2.63E-01	2.63E-01
512	S_7	259940.63	4022165.03	259940.63, 4022165.03	1289.67734	3.05E-01	3.05E-01
513	S_8	259960.63	4022105.03	259960.63, 4022105.03	854.58167	2.02E-01	2.02E-01
514	S_9	259960.63	4022125.03	259960.63, 4022125.03	968.51172	2.29E-01	2.29E-01
515	S_10	259960.63	4022145.03	259960.63, 4022145.03	1122.63233	2.66E-01	2.66E-01
516	S_11	259960.63	4022165.03	259960.63, 4022165.03	1334.54426	3.16E-01	3.16E-01
517	S_12	259980.63	4022105.03	259980.63, 4022105.03	1026.79102	2.43E-01	2.43E-01
518	S_13	259980.63	4022125.03	259980.63, 4022125.03	1171.89324	2.77E-01	2.77E-01
519	S_14	259980.63	4022145.03	259980.63, 4022145.03	1356.76002	3.21E-01	3.21E-01
520	S_15	259980.63	4022165.03	259980.63, 4022165.03	1598.48213	3.78E-01	3.78E-01
521	S_16	260000.63	4022105.03	260000.63, 4022105.03	983.91217	2.33E-01	2.33E-01
522	S_17	260000.63	4022125.03	260000.63, 4022125.03	1154.66017	2.73E-01	2.73E-01
523	S_18	260000.63	4022145.03	260000.63, 4022145.03	1362.83319	3.23E-01	3.23E-01
524	S_19	260000.63	4022165.03	260000.63, 4022165.03	1615.17284	3.82E-01	3.82E-01
525	R_65	259550.34	4021844.01	259550.34, 4021844.01	199.18683	4.71E-02	4.71E-02
526	R_66	259550.34	4021864.01	259550.34, 4021864.01	195.82178	4.64E-02	4.64E-02
527	R_67	259550.34	4021884.01	259550.34, 4021884.01	203.7692	4.82E-02	4.82E-02
528	R_68	259550.34	4021904.01	259550.34, 4021904.01	218.30207	5.17E-02	5.17E-02
529	R_69	259550.34	4021924.01	259550.34, 4021924.01	233.02223	5.52E-02	5.52E-02
530	R_70	259550.34	4021944.01	259550.34, 4021944.01	233.13086	5.52E-02	5.52E-02
531	R_71	259550.34	4021964.01	259550.34, 4021964.01	228.58081	5.41E-02	5.41E-02
532	R_72	259550.34	4021984.01	259550.34, 4021984.01	237.15526	5.61E-02	5.61E-02
533	R_73	259550.34	4022004.01	259550.34, 4022004.01	244.46977	5.79E-02	5.79E-02
534	R_74	259550.34	4022024.01	259550.34, 4022024.01	250.54489	5.93E-02	5.93E-02
535	R_75	259570.34	4021844.01	259570.34, 4021844.01	214.41623	5.08E-02	5.08E-02
536	R_76	259570.34	4021864.01	259570.34, 4021864.01	213.60056	5.06E-02	5.06E-02
537	R_77	259570.34	4021884.01	259570.34, 4021884.01	208.32389	4.93E-02	4.93E-02
538	R_78	259570.34	4021904.01	259570.34, 4021904.01	217.23266	5.14E-02	5.14E-02
539	R_79	259570.34	4021924.01	259570.34, 4021924.01	233.57782	5.53E-02	5.53E-02
540	R_80	259570.34	4021944.01	259570.34, 4021944.01	249.1356	5.90E-02	5.90E-02
541	R_81	259570.34	4021964.01	259570.34, 4021964.01	247.84138	5.87E-02	5.87E-02
542	R_82	259570.34	4021984.01	259570.34, 4021984.01	244.9232	5.80E-02	5.80E-02
543	R_83	259570.34	4022004.01	259570.34, 4022004.01	255.38658	6.04E-02	6.04E-02
544	R_84	259570.34	4022024.01	259570.34, 4022024.01	264.81885	6.27E-02	6.27E-02
545	R_85	259590.34	4021844.01	259590.34, 4021844.01	217.3707	5.15E-02	5.15E-02
546	R_86	259590.34	4021864.01	259590.34, 4021864.01	228.61609	5.41E-02	5.41E-02
547	R_87	259590.34	4021884.01	259590.34, 4021884.01	229.64367	5.44E-02	5.44E-02
548	R_88	259590.34	4021904.01	259590.34, 4021904.01	222.2743	5.26E-02	5.26E-02
549	R_89	259590.34	4021924.01	259590.34, 4021924.01	232.37733	5.50E-02	5.50E-02
550	R_90	259590.34	4021944.01	259590.34, 4021944.01	250.81075	5.94E-02	5.94E-02
551	R_91	259590.34	4021964.01	259590.34, 4021964.01	267.20481	6.32E-02	6.32E-02
552	R_92	259590.34	4021984.01	259590.34, 4021984.01	264.04806	6.25E-02	6.25E-02
553	R_93	259590.34	4022004.01	259590.34, 4022004.01	262.77599	6.22E-02	6.22E-02
554	R_94	259590.34	4022024.01	259590.34, 4022024.01	274.96558	6.51E-02	6.51E-02
555	R_95	259610.34	4021844.01	259610.34, 4021844.01	207.69332	4.92E-02	4.92E-02
556	R_96	259610.34	4021864.01	259610.34, 4021864.01	229.38678	5.43E-02	5.43E-02
557	R_97	259610.34	4021884.01	259610.34, 4021884.01	244.12354	5.78E-02	5.78E-02
558	R_98	259610.34	4021904.01	259610.34, 4021904.01	247.5479	5.86E-02	5.86E-02
559	R_99	259610.34	4021924.01	259610.34, 4021924.01	237.87153	5.63E-02	5.63E-02
560	R_100	259610.34	4021944.01	259610.34, 4021944.01	249.39534	5.90E-02	5.90E-02
561	R_101	259610.34	4021964.01	259610.34, 4021964.01	270.26925	6.40E-02	6.40E-02
562	R_102	259610.34	4021984.01	259610.34, 4021984.01	287.5356	6.81E-02	6.81E-02
563	R_103	259610.34	4022004.01	259610.34, 4022004.01	282.07766	6.68E-02	6.68E-02
564	R_104	259610.34	4022024.01	259610.34, 4022024.01	283.81272	6.72E-02	6.72E-02
565	R_105	259630.34	4021844.01	259630.34, 4021844.01	226.36412	5.36E-02	5.36E-02
566	R_106	259630.34	4021864.01	259630.34, 4021864.01	222.3884	5.26E-02	5.26E-02
567	R_107	259630.34	4021884.01	259630.34, 4021884.01	242.00401	5.73E-02	5.73E-02
568	R_108	259630.34	4021904.01	259630.34, 4021904.01	260.99489	6.18E-02	6.18E-02
569	R_109	259630.34	4021924.01	259630.34, 4021924.01	267.51372	6.33E-02	6.33E-02
570	R_110	259630.34	4021944.01	259630.34, 4021944.01	258.80105	6.13E-02	6.13E-02
571	R_111	259630.34	4021964.01	259630.34, 4021964.01	268.62477	6.36E-02	6.36E-02
572	R_112	259630.34	4021984.01	259630.34, 4021984.01	292.39249	6.92E-02	6.92E-02
573	R_113	259630.34	4022004.01	259630.34, 4022004.01	310.48022	7.35E-02	7.35E-02
574	R_114	259630.34	4022024.01	259630.34, 4022024.01	301.77848	7.14E-02	7.14E-02
575	R_115	259650.34	4021844.01	259650.34, 4021844.01	234.66153	5.55E-02	5.55E-02

576	R_116	259650.34	4021864.01	259650.34, 4021864.01	244.49601	5.79E-02	5.79E-02
577	R_117	259650.34	4021884.01	259650.34, 4021884.01	243.27952	5.76E-02	5.76E-02
578	R_118	259650.34	4021904.01	259650.34, 4021904.01	255.19004	6.04E-02	6.04E-02
579	R_119	259650.34	4021924.01	259650.34, 4021924.01	279.46974	6.61E-02	6.61E-02
580	R_120	259650.34	4021944.01	259650.34, 4021944.01	289.86421	6.86E-02	6.86E-02
581	R_121	259650.34	4021964.01	259650.34, 4021964.01	282.86276	6.70E-02	6.70E-02
582	R_122	259650.34	4021984.01	259650.34, 4021984.01	290.56631	6.88E-02	6.88E-02
583	R_123	259650.34	4022004.01	259650.34, 4022004.01	317.77719	7.52E-02	7.52E-02
584	R_124	259650.34	4022024.01	259650.34, 4022024.01	336.63007	7.97E-02	7.97E-02
585	R_125	259670.34	4021844.01	259670.34, 4021844.01	238.44885	5.64E-02	5.64E-02
586	R_126	259670.34	4021864.01	259670.34, 4021864.01	246.96446	5.85E-02	5.85E-02
587	R_127	259670.34	4021884.01	259670.34, 4021884.01	263.09938	6.23E-02	6.23E-02
588	R_128	259670.34	4021904.01	259670.34, 4021904.01	267.21824	6.32E-02	6.32E-02
589	R_129	259670.34	4021924.01	259670.34, 4021924.01	268.91857	6.37E-02	6.37E-02
590	R_130	259670.34	4021944.01	259670.34, 4021944.01	299.53497	7.09E-02	7.09E-02
591	R_131	259670.34	4021964.01	259670.34, 4021964.01	315.03087	7.46E-02	7.46E-02
592	R_132	259670.34	4021984.01	259670.34, 4021984.01	310.5197	7.35E-02	7.35E-02
593	R_133	259670.34	4022004.01	259670.34, 4022004.01	315.78131	7.47E-02	7.47E-02
594	R_134	259670.34	4022024.01	259670.34, 4022024.01	347.1016	8.22E-02	8.22E-02
595	R_135	259690.34	4021844.01	259690.34, 4021844.01	233.53903	5.53E-02	5.53E-02
596	R_136	259690.34	4021864.01	259690.34, 4021864.01	252.20437	5.97E-02	5.97E-02
597	R_137	259690.34	4021884.01	259690.34, 4021884.01	266.38903	6.31E-02	6.31E-02
598	R_138	259690.34	4021904.01	259690.34, 4021904.01	281.61468	6.67E-02	6.67E-02
599	R_139	259690.34	4021924.01	259690.34, 4021924.01	292.80741	6.93E-02	6.93E-02
600	R_140	259690.34	4021944.01	259690.34, 4021944.01	287.95786	6.82E-02	6.82E-02
601	R_141	259690.34	4021964.01	259690.34, 4021964.01	321.3522	7.61E-02	7.61E-02
602	R_142	259690.34	4021984.01	259690.34, 4021984.01	343.49953	8.13E-02	8.13E-02
603	R_143	259690.34	4022004.01	259690.34, 4022004.01	342.3931	8.10E-02	8.10E-02
604	R_144	259690.34	4022024.01	259690.34, 4022024.01	344.8747	8.16E-02	8.16E-02
605	R_145	259710.34	4021844.01	259710.34, 4021844.01	243.37615	5.76E-02	5.76E-02
606	R_146	259710.34	4021864.01	259710.34, 4021864.01	248.0113	5.87E-02	5.87E-02
607	R_147	259710.34	4021884.01	259710.34, 4021884.01	263.86142	6.25E-02	6.25E-02
608	R_148	259710.34	4021904.01	259710.34, 4021904.01	286.24653	6.78E-02	6.78E-02
609	R_149	259710.34	4021924.01	259710.34, 4021924.01	299.36069	7.09E-02	7.09E-02
610	R_150	259710.34	4021944.01	259710.34, 4021944.01	319.68573	7.57E-02	7.57E-02
611	R_151	259710.34	4021964.01	259710.34, 4021964.01	321.82555	7.62E-02	7.62E-02
612	R_152	259710.34	4021984.01	259710.34, 4021984.01	344.9906	8.17E-02	8.17E-02
613	R_153	259710.34	4022004.01	259710.34, 4022004.01	375.66814	8.89E-02	8.89E-02
614	R_154	259710.34	4022024.01	259710.34, 4022024.01	379.59172	8.98E-02	8.98E-02
615	R_155	259730.34	4021844.01	259730.34, 4021844.01	248.08069	5.87E-02	5.87E-02
616	R_156	259730.34	4021864.01	259730.34, 4021864.01	259.29919	6.14E-02	6.14E-02
617	R_157	259730.34	4021884.01	259730.34, 4021884.01	272.51748	6.45E-02	6.45E-02
618	R_158	259730.34	4021904.01	259730.34, 4021904.01	281.12819	6.65E-02	6.65E-02
619	R_159	259730.34	4021924.01	259730.34, 4021924.01	304.44229	7.21E-02	7.21E-02
620	R_160	259730.34	4021944.01	259730.34, 4021944.01	325.71482	7.71E-02	7.71E-02
621	R_161	259730.34	4021964.01	259730.34, 4021964.01	347.15891	8.22E-02	8.22E-02
622	R_162	259730.34	4021984.01	259730.34, 4021984.01	359.4919	8.51E-02	8.51E-02
623	R_163	259730.34	4022004.01	259730.34, 4022004.01	370.41623	8.77E-02	8.77E-02
624	R_164	259730.34	4022024.01	259730.34, 4022024.01	412.2389	9.76E-02	9.76E-02
625	R_165	259750.34	4021844.01	259750.34, 4021844.01	252.10837	5.97E-02	5.97E-02
626	R_166	259750.34	4021864.01	259750.34, 4021864.01	265.02137	6.27E-02	6.27E-02
627	R_167	259750.34	4021884.01	259750.34, 4021884.01	278.87843	6.60E-02	6.60E-02
628	R_168	259750.34	4021904.01	259750.34, 4021904.01	293.85252	6.96E-02	6.96E-02
629	R_169	259750.34	4021924.01	259750.34, 4021924.01	307.6114	7.28E-02	7.28E-02
630	R_170	259750.34	4021944.01	259750.34, 4021944.01	321.05593	7.60E-02	7.60E-02
631	R_171	259750.34	4021964.01	259750.34, 4021964.01	353.25064	8.36E-02	8.36E-02
632	R_172	259750.34	4021984.01	259750.34, 4021984.01	374.16633	8.86E-02	8.86E-02
633	R_173	259750.34	4022004.01	259750.34, 4022004.01	400.40804	9.48E-02	9.48E-02
634	R_174	259750.34	4022024.01	259750.34, 4022024.01	397.45927	9.41E-02	9.41E-02
635	R_175	259770.34	4021844.01	259770.34, 4021844.01	257.42103	6.09E-02	6.09E-02
636	R_176	259770.34	4021864.01	259770.34, 4021864.01	270.83393	6.41E-02	6.41E-02
637	R_177	259770.34	4021884.01	259770.34, 4021884.01	283.9998	6.72E-02	6.72E-02
638	R_178	259770.34	4021904.01	259770.34, 4021904.01	300.14043	7.10E-02	7.10E-02
639	R_179	259770.34	4021924.01	259770.34, 4021924.01	316.86893	7.50E-02	7.50E-02
640	R_180	259770.34	4021944.01	259770.34, 4021944.01	336.69025	7.97E-02	7.97E-02
641	R_181	259770.34	4021964.01	259770.34, 4021964.01	350.50445	8.30E-02	8.30E-02
642	R_182	259770.34	4021984.01	259770.34, 4021984.01	378.25694	8.95E-02	8.95E-02
643	R_183	259770.34	4022004.01	259770.34, 4022004.01	412.13729	9.76E-02	9.76E-02
644	R_184	259770.34	4022024.01	259770.34, 4022024.01	443.7034	1.05E-01	1.05E-01
645	R_185	259790.34	4021844.01	259790.34, 4021844.01	262.90779	6.22E-02	6.22E-02
646	R_186	259790.34	4021864.01	259790.34, 4021864.01	277.41771	6.57E-02	6.57E-02
647	R_187	259790.34	4021884.01	259790.34, 4021884.01	289.34965	6.85E-02	6.85E-02
648	R_188	259790.34	4021904.01	259790.34, 4021904.01	307.92497	7.29E-02	7.29E-02
649	R_189	259790.34	4021924.01	259790.34, 4021924.01	324.29088	7.68E-02	7.68E-02
650	R_190	259790.34	4021944.01	259790.34, 4021944.01	344.1279	8.15E-02	8.15E-02
651	R_191	259790.34	4021964.01	259790.34, 4021964.01	364.69275	8.63E-02	8.63E-02
652	R_192	259790.34	4021984.01	259790.34, 4021984.01	390.74028	9.25E-02	9.25E-02
653	R_193	259790.34	4022004.01	259790.34, 4022004.01	407.40848	9.64E-02	9.64E-02
654	R_194	259790.34	4022024.01	259790.34, 4022024.01	452.67849	1.07E-01	1.07E-01
655	R_195	259810.34	4021844.01	259810.34, 4021844.01	273.516	6.47E-02	6.47E-02
656	R_196	259810.34	4021864.01	259810.34, 4021864.01	283.077	6.70E-02	6.70E-02
657	R_197	259810.34	4021884.01	259810.34, 4021884.01	296.08633	7.01E-02	7.01E-02
658	R_198	259810.34	4021904.01	259810.34, 4021904.01	315.7604	7.47E-02	7.47E-02
659	R_199	259810.34	4021924.01	259810.34, 4021924.01	331.3964	7.84E-02	7.84E-02
660	R_200	259810.34	4021944.01	259810.34, 4021944.01	354.2035	8.38E-02	8.38E-02
661	R_201	259810.34	4021964.01	259810.34, 4021964.01	375.41125	8.89E-02	8.89E-02
662	R_202	259810.34	4021984.01	259810.34, 4021984.01	400.77055	9.49E-02	9.49E-02
663	R_203	259810.34	4022004.01	259810.34, 4022004.01	427.48328	1.01E-01	1.01E-01
664	R_204	259810.34	4022024.01	259810.34, 4022024.01	460.58866	1.09E-01	1.09E-01
665	R_205	259830.34	4021844.01	259830.34, 4021844.01	272.88076	6.46E-02	6.46E-02
666	R_206	259830.34	4021864.01	259830.34, 4021864.01	287.84526	6.81E-02	6.81E-02
667	R_207	259830.34	4021884.01	259830.34, 4021884.01	309.90466	7.34E-02	7.34E-02
668	R_208	259830.34	4021904.01	259830.34, 4021904.01	327.61987	7.75E-02	7.75E-02
669	R_209	259830.34	4021924.01	259830.34, 4021924.01	341.57721	8.09E-02	8.09E-02
670	R_210	259830.34	4021944.01	259830.34, 4021944.01	362.12879	8.57E-02	8.57E-02
671	R_211	259830.34	4021964.01	259830.34, 4021964.01	387.15715	9.16E-02	9.16E-02
672	R_212	259830.34	4021984.01	259830.34, 4021984.01	413.01135	9.78E-02	9.78E-02
673	R_213	259830.34	4022004.01	259830.34, 4022004.01	441.87324	1.05E-01	1.05E-01

674	R_214	259830.34	4022024.01	259830.34, 4022024.01	475.60637	1.13E-01	1.13E-01
675	R_215	259850.34	4021844.01	259850.34, 4021844.01	272.95985	6.46E-02	6.46E-02
676	R_216	259850.34	4021864.01	259850.34, 4021864.01	287.57116	6.81E-02	6.81E-02
677	R_217	259850.34	4021884.01	259850.34, 4021884.01	307.42057	7.28E-02	7.28E-02
678	R_218	259850.34	4021904.01	259850.34, 4021904.01	328.35275	7.77E-02	7.77E-02
679	R_219	259850.34	4021924.01	259850.34, 4021924.01	348.57807	8.25E-02	8.25E-02
680	R_220	259850.34	4021944.01	259850.34, 4021944.01	379.04473	8.97E-02	8.97E-02
681	R_221	259850.34	4021964.01	259850.34, 4021964.01	403.11862	9.54E-02	9.54E-02
682	R_222	259850.34	4021984.01	259850.34, 4021984.01	423.68703	1.00E-01	1.00E-01
683	R_223	259850.34	4022004.01	259850.34, 4022004.01	458.26623	1.08E-01	1.08E-01
684	R_224	259850.34	4022024.01	259850.34, 4022024.01	489.69009	1.16E-01	1.16E-01
685	R_225	259870.34	4021844.01	259870.34, 4021844.01	282.88318	6.70E-02	6.70E-02
686	R_226	259870.34	4021864.01	259870.34, 4021864.01	299.05307	7.08E-02	7.08E-02
687	R_227	259870.34	4021884.01	259870.34, 4021884.01	313.98611	7.43E-02	7.43E-02
688	R_228	259870.34	4021904.01	259870.34, 4021904.01	332.48032	7.87E-02	7.87E-02
689	R_229	259870.34	4021924.01	259870.34, 4021924.01	348.90271	8.26E-02	8.26E-02
690	R_230	259870.34	4021944.01	259870.34, 4021944.01	374.1464	8.86E-02	8.86E-02
691	R_231	259870.34	4021964.01	259870.34, 4021964.01	406.24433	9.62E-02	9.62E-02
692	R_232	259870.34	4021984.01	259870.34, 4021984.01	435.4434	1.03E-01	1.03E-01
693	R_233	259870.34	4022004.01	259870.34, 4022004.01	479.98643	1.14E-01	1.14E-01
694	R_234	259870.34	4022024.01	259870.34, 4022024.01	514.33508	1.22E-01	1.22E-01
695	R_235	259890.34	4021844.01	259890.34, 4021844.01	288.58903	6.83E-02	6.83E-02
696	R_236	259890.34	4021864.01	259890.34, 4021864.01	302.81131	7.17E-02	7.17E-02
697	R_237	259890.34	4021884.01	259890.34, 4021884.01	320.60995	7.59E-02	7.59E-02
698	R_238	259890.34	4021904.01	259890.34, 4021904.01	342.85001	8.12E-02	8.12E-02
699	R_239	259890.34	4021924.01	259890.34, 4021924.01	364.54591	8.63E-02	8.63E-02
700	R_240	259890.34	4021944.01	259890.34, 4021944.01	389.59489	9.22E-02	9.22E-02
701	R_241	259890.34	4021964.01	259890.34, 4021964.01	414.70159	9.82E-02	9.82E-02
702	R_242	259890.34	4021984.01	259890.34, 4021984.01	443.8907	1.05E-01	1.05E-01
703	R_243	259890.34	4022004.01	259890.34, 4022004.01	473.47486	1.12E-01	1.12E-01
704	R_244	259890.34	4022024.01	259890.34, 4022024.01	521.72461	1.23E-01	1.23E-01
705	R_245	259910.34	4021844.01	259910.34, 4021844.01	283.0669	6.70E-02	6.70E-02
706	R_246	259910.34	4021864.01	259910.34, 4021864.01	301.81932	7.14E-02	7.14E-02
707	R_247	259910.34	4021884.01	259910.34, 4021884.01	322.15585	7.63E-02	7.63E-02
708	R_248	259910.34	4021904.01	259910.34, 4021904.01	346.84435	8.21E-02	8.21E-02
709	R_249	259910.34	4021924.01	259910.34, 4021924.01	372.69448	8.82E-02	8.82E-02
710	R_250	259910.34	4021944.01	259910.34, 4021944.01	399.31379	9.45E-02	9.45E-02
711	R_251	259910.34	4021964.01	259910.34, 4021964.01	426.19168	1.01E-01	1.01E-01
712	R_252	259910.34	4021984.01	259910.34, 4021984.01	457.68891	1.08E-01	1.08E-01
713	R_253	259910.34	4022004.01	259910.34, 4022004.01	498.05073	1.18E-01	1.18E-01
714	R_254	259910.34	4022024.01	259910.34, 4022024.01	540.15891	1.28E-01	1.28E-01
715	R_255	259930.34	4021844.01	259930.34, 4021844.01	283.73304	6.72E-02	6.72E-02
716	R_256	259930.34	4021864.01	259930.34, 4021864.01	303.28295	7.18E-02	7.18E-02
717	R_257	259930.34	4021884.01	259930.34, 4021884.01	324.39395	7.68E-02	7.68E-02
718	R_258	259930.34	4021904.01	259930.34, 4021904.01	347.33876	8.22E-02	8.22E-02
719	R_259	259930.34	4021924.01	259930.34, 4021924.01	372.06395	8.81E-02	8.81E-02
720	R_260	259930.34	4021944.01	259930.34, 4021944.01	398.58795	9.43E-02	9.43E-02
721	R_261	259950.34	4021844.01	259950.34, 4021844.01	292.44107	6.92E-02	6.92E-02
722	R_262	259950.34	4021864.01	259950.34, 4021864.01	309.45976	7.32E-02	7.32E-02
723	R_263	259950.34	4021884.01	259950.34, 4021884.01	328.00734	7.76E-02	7.76E-02
724	R_264	259950.34	4021904.01	259950.34, 4021904.01	349.20984	8.27E-02	8.27E-02
725	R_265	259950.34	4021924.01	259950.34, 4021924.01	373.46724	8.84E-02	8.84E-02
726	R_266	259950.34	4021944.01	259950.34, 4021944.01	400.24516	9.47E-02	9.47E-02
727	R_267	259970.34	4021844.01	259970.34, 4021844.01	342.93813	8.12E-02	8.12E-02
728	R_268	259970.34	4021864.01	259970.34, 4021864.01	363.33517	8.60E-02	8.60E-02
729	R_269	259970.34	4021884.01	259970.34, 4021884.01	385.76847	9.13E-02	9.13E-02
730	R_270	259970.34	4021904.01	259970.34, 4021904.01	410.57064	9.72E-02	9.72E-02
731	R_271	259970.34	4021924.01	259970.34, 4021924.01	438.30129	1.04E-01	1.04E-01
732	R_272	259970.34	4021944.01	259970.34, 4021944.01	469.54917	1.11E-01	1.11E-01
733	R_273	259990.34	4021844.01	259990.34, 4021844.01	337.24557	7.98E-02	7.98E-02
734	R_274	259990.34	4021864.01	259990.34, 4021864.01	356.90618	8.45E-02	8.45E-02
735	R_275	259990.34	4021884.01	259990.34, 4021884.01	378.68965	8.96E-02	8.96E-02
736	R_276	259990.34	4021904.01	259990.34, 4021904.01	402.72159	9.53E-02	9.53E-02
737	R_277	259990.34	4021924.01	259990.34, 4021924.01	429.34774	1.02E-01	1.02E-01
738	R_278	259990.34	4021944.01	259990.34, 4021944.01	459.12414	1.09E-01	1.09E-01
739	R_279	260122.8	4022046.18	260122.8, 4022046.18	566.53361	1.34E-01	1.34E-01
740	R_280	260142.8	4022066.18	260142.8, 4022066.18	558.4207	1.32E-01	1.32E-01
741	R_281	260142.8	4022086.18	260142.8, 4022086.18	691.96944	1.64E-01	1.64E-01
742	R_282	260142.8	4022106.18	260142.8, 4022106.18	753.04032	1.78E-01	1.78E-01
743	R_283	260142.8	4022126.18	260142.8, 4022126.18	698.31832	1.65E-01	1.65E-01
744	R_284	260142.8	4022146.18	260142.8, 4022146.18	790.91073	1.87E-01	1.87E-01
745	R_285	260142.8	4022166.18	260142.8, 4022166.18	824.52288	1.95E-01	1.95E-01
746	R_286	260162.8	4022066.18	260162.8, 4022066.18	624.54328	1.48E-01	1.48E-01
747	R_287	260162.8	4022086.18	260162.8, 4022086.18	642.06056	1.52E-01	1.52E-01
748	R_288	260162.8	4022106.18	260162.8, 4022106.18	609.11419	1.44E-01	1.44E-01
749	R_289	260162.8	4022126.18	260162.8, 4022126.18	687.33884	1.63E-01	1.63E-01
750	R_290	260162.8	4022146.18	260162.8, 4022146.18	710.24352	1.68E-01	1.68E-01
751	R_291	260162.8	4022166.18	260162.8, 4022166.18	796.22336	1.88E-01	1.88E-01
752	R_292	260182.8	4022066.18	260182.8, 4022066.18	547.98279	1.30E-01	1.30E-01
753	R_293	260182.8	4022086.18	260182.8, 4022086.18	543.77971	1.29E-01	1.29E-01
754	R_294	260182.8	4022106.18	260182.8, 4022106.18	605.14265	1.43E-01	1.43E-01
755	R_295	260182.8	4022126.18	260182.8, 4022126.18	620.87545	1.47E-01	1.47E-01
756	R_296	260182.8	4022146.18	260182.8, 4022146.18	685.5127	1.62E-01	1.62E-01
757	R_297	260182.8	4022166.18	260182.8, 4022166.18	693.72897	1.64E-01	1.64E-01
758	R_298	260202.8	4022066.18	260202.8, 4022066.18	488.68699	1.16E-01	1.16E-01
759	R_299	260202.8	4022086.18	260202.8, 4022086.18	538.18863	1.27E-01	1.27E-01
760	R_300	260202.8	4022106.18	260202.8, 4022106.18	548.83037	1.30E-01	1.30E-01
761	R_301	260202.8	4022126.18	260202.8, 4022126.18	595.1936	1.41E-01	1.41E-01
762	R_302	260202.8	4022146.18	260202.8, 4022146.18	625.26995	1.48E-01	1.48E-01
763	R_303	260202.8	4022166.18	260202.8, 4022166.18	628.94794	1.49E-01	1.49E-01
764	W_1	260095.45	4022187.01	260095.45, 4022187.01	1136.24529	2.69E-01	2.69E-01
765	W_2	260095.45	4022207.01	260095.45, 4022207.01	1288.24015	3.05E-01	3.05E-01
766	W_3	260095.45	4022227.01	260095.45, 4022227.01	1426.9781	3.38E-01	3.38E-01
767	W_4	260095.45	4022247.01	260095.45, 4022247.01	1467.70842	3.47E-01	3.47E-01
768	W_5	260095.45	4022267.01	260095.45, 4022267.01	1580.34302	3.74E-01	3.74E-01
769	W_6	260115.45	4022187.01	260115.45, 4022187.01	1056.08098	2.50E-01	2.50E-01
770	W_7	260115.45	4022207.01	260115.45, 4022207.01	1162.23733	2.75E-01	2.75E-01
771	W_8	260115.45	4022227.01	260115.45, 4022227.01	1172.10339	2.77E-01	2.77E-01

772	W_9	260115.45	4022247.01	260115.45, 4022247.01	1330.74312	3.15E-01	3.15E-01
773	W_10	260115.45	4022267.01	260115.45, 4022267.01	1348.96771	3.19E-01	3.19E-01
774	W_11	260135.45	4022187.01	260135.45, 4022187.01	961.18113	2.28E-01	2.28E-01
775	W_12	260135.45	4022207.01	260135.45, 4022207.01	975.69301	2.31E-01	2.31E-01
776	W_13	260135.45	4022227.01	260135.45, 4022227.01	1083.51056	2.56E-01	2.56E-01
777	W_14	260135.45	4022247.01	260135.45, 4022247.01	1118.73911	2.65E-01	2.65E-01
778	W_15	260135.45	4022267.01	260135.45, 4022267.01	1311.31299	3.10E-01	3.10E-01
779	W_16	260155.45	4022187.01	260155.45, 4022187.01	838.92668	1.99E-01	1.99E-01
780	W_17	260155.45	4022207.01	260155.45, 4022207.01	876.45817	2.07E-01	2.07E-01
781	W_18	260155.45	4022227.01	260155.45, 4022227.01	972.02288	2.30E-01	2.30E-01
782	W_19	260155.45	4022247.01	260155.45, 4022247.01	987.21997	2.34E-01	2.34E-01
783	W_20	260155.45	4022267.01	260155.45, 4022267.01	1219.63018	2.89E-01	2.89E-01
784	W_21	260175.45	4022187.01	260175.45, 4022187.01	748.221	1.77E-01	1.77E-01
785	W_22	260175.45	4022207.01	260175.45, 4022207.01	838.79861	1.99E-01	1.99E-01
786	W_23	260175.45	4022227.01	260175.45, 4022227.01	845.71956	2.00E-01	2.00E-01
787	W_24	260175.45	4022247.01	260175.45, 4022247.01	892.18747	2.11E-01	2.11E-01
788	W_25	260175.45	4022267.01	260175.45, 4022267.01	1087.73563	2.57E-01	2.57E-01
789	W_26	260195.45	4022187.01	260195.45, 4022187.01	695.38752	1.65E-01	1.65E-01
790	W_27	260195.45	4022207.01	260195.45, 4022207.01	747.33013	1.77E-01	1.77E-01
791	W_28	260195.45	4022227.01	260195.45, 4022227.01	756.80785	1.79E-01	1.79E-01
792	W_29	260195.45	4022247.01	260195.45, 4022247.01	895.69911	2.12E-01	2.12E-01
793	W_30	260195.45	4022267.01	260195.45, 4022267.01	939.18465	2.22E-01	2.22E-01
794	W_31	260063.43	4022072.23	260063.43, 4022072.23	707.0333	1.67E-01	1.67E-01
795	W_32	260063.43	4022092.23	260063.43, 4022092.23	775.3284	1.84E-01	1.84E-01
796	W_33	260063.43	4022112.23	260063.43, 4022112.23	871.05917	2.06E-01	2.06E-01
797	W_34	260083.43	4022072.23	260083.43, 4022072.23	690.5491	1.63E-01	1.63E-01
798	W_35	260083.43	4022092.23	260083.43, 4022092.23	748.46824	1.77E-01	1.77E-01
799	W_36	260083.43	4022112.23	260083.43, 4022112.23	828.18148	1.96E-01	1.96E-01
800	W_37	260103.43	4022072.23	260103.43, 4022072.23	654.9164	1.55E-01	1.55E-01
801	W_38	260103.43	4022092.23	260103.43, 4022092.23	715.80572	1.69E-01	1.69E-01
802	W_39	260103.43	4022112.23	260103.43, 4022112.23	772.14066	1.83E-01	1.83E-01
803	R_304	260243.42	4022062.81	260243.42, 4022062.81	443.15374	1.05E-01	1.05E-01
804	R_305	260243.42	4022082.81	260243.42, 4022082.81	447.79618	1.06E-01	1.06E-01
805	R_306	260243.42	4022102.81	260243.42, 4022102.81	505.34906	1.20E-01	1.20E-01
806	R_307	260243.42	4022122.81	260243.42, 4022122.81	490.99404	1.16E-01	1.16E-01
807	R_308	260243.42	4022142.81	260243.42, 4022142.81	514.90833	1.22E-01	1.22E-01
808	R_309	260243.42	4022162.81	260243.42, 4022162.81	560.57604	1.33E-01	1.33E-01
809	R_310	260243.42	4022182.81	260243.42, 4022182.81	572.5139	1.36E-01	1.36E-01
810	R_311	260243.42	4022202.81	260243.42, 4022202.81	587.29789	1.39E-01	1.39E-01
811	R_312	260243.42	4022222.81	260243.42, 4022222.81	613.79937	1.45E-01	1.45E-01
812	R_313	260243.42	4022242.81	260243.42, 4022242.81	761.94787	1.80E-01	1.80E-01
813	R_314	260243.42	4022262.81	260243.42, 4022262.81	661.68629	1.57E-01	1.57E-01
814	R_315	260243.42	4022282.81	260243.42, 4022282.81	661.25234	1.57E-01	1.57E-01
815	R_316	260243.42	4022302.81	260243.42, 4022302.81	724.11917	1.71E-01	1.71E-01
816	R_317	260243.42	4022322.81	260243.42, 4022322.81	739.03985	1.75E-01	1.75E-01
817	R_318	260243.42	4022342.81	260243.42, 4022342.81	642.12722	1.52E-01	1.52E-01
818	R_319	260243.42	4022362.81	260243.42, 4022362.81	666.93736	1.58E-01	1.58E-01
819	R_320	260243.42	4022382.81	260243.42, 4022382.81	651.51962	1.54E-01	1.54E-01
820	R_321	260243.42	4022402.81	260243.42, 4022402.81	672.06943	1.59E-01	1.59E-01
821	R_322	260243.42	4022422.81	260243.42, 4022422.81	622.79191	1.47E-01	1.47E-01
822	R_323	260263.42	4022362.81	260263.42, 4022362.81	608.16481	1.44E-01	1.44E-01
823	R_324	260263.42	4022382.81	260263.42, 4022382.81	584.92314	1.38E-01	1.38E-01
824	R_325	260263.42	4022402.81	260263.42, 4022402.81	628.45352	1.49E-01	1.49E-01
825	R_326	260263.42	4022422.81	260263.42, 4022422.81	577.64395	1.37E-01	1.37E-01

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County

Region: Kings
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	PM10_RUNEX
Kings	2027	HHDT	Aggregate	15	Gasoline	3.032228642	0.001624499
Kings	2027	HHDT	Aggregate	15	Diesel	11052.83015	0.008638552
Kings	2027	HHDT	Aggregate	15	Electricity	153.6383112	0
Kings	2027	HHDT	Aggregate	15	Natural Ga	209.1754826	0.004592921
Kings	2027	HHDT	Aggregate	35	Gasoline	6.155244318	0.000545768
Kings	2027	HHDT	Aggregate	35	Diesel	16209.8649	0.008078548
Kings	2027	HHDT	Aggregate	35	Electricity	229.9661932	0
Kings	2027	HHDT	Aggregate	35	Natural Ga	283.3262968	0.002203658
Kings	2027	HHDT	Aggregate	40	Gasoline	6.308617717	0.000474726
Kings	2027	HHDT	Aggregate	40	Diesel	19947.47425	0.010004887
Kings	2027	HHDT	Aggregate	40	Electricity	277.5224853	0
Kings	2027	HHDT	Aggregate	40	Natural Ga	300.1591387	0.001895177
Kings	2027	LHDT2	Aggregate	15	Gasoline	1961.181351	0.001844222
Kings	2027	LHDT2	Aggregate	15	Diesel	4001.600065	0.052820636
Kings	2027	LHDT2	Aggregate	15	Electricity	137.9006506	0
Kings	2027	LHDT2	Aggregate	35	Gasoline	576.8245162	0.000877523
Kings	2027	LHDT2	Aggregate	35	Diesel	2091.659219	0.026070781
Kings	2027	LHDT2	Aggregate	35	Electricity	60.81077243	0
Kings	2027	LHDT2	Aggregate	40	Gasoline	170.2654435	0.00080198
Kings	2027	LHDT2	Aggregate	40	Diesel	1148.252542	0.022287889
Kings	2027	LHDT2	Aggregate	40	Electricity	29.70265272	0
Kings	2027	MHDT	Aggregate	15	Gasoline	382.5409096	0.00308043
Kings	2027	MHDT	Aggregate	15	Diesel	2082.011699	0.016948474
Kings	2027	MHDT	Aggregate	15	Electricity	74.0925521	0
Kings	2027	MHDT	Aggregate	15	Natural Ga	35.35173815	0.003608579
Kings	2027	MHDT	Aggregate	35	Gasoline	624.8929518	0.001027012
Kings	2027	MHDT	Aggregate	35	Diesel	6609.9839	0.006795071
Kings	2027	MHDT	Aggregate	35	Electricity	210.6629762	0
Kings	2027	MHDT	Aggregate	35	Natural Ga	81.26972175	0.00138102
Kings	2027	MHDT	Aggregate	40	Gasoline	660.0855405	0.000891886
Kings	2027	MHDT	Aggregate	40	Diesel	5398.377277	0.006837468
Kings	2027	MHDT	Aggregate	40	Electricity	179.2398632	0
Kings	2027	MHDT	Aggregate	40	Natural Ga	81.69671989	0.001080557

Source: EMFAC2021 (v1.0.2) Emission Rates

Region Type: County
Region: Kings
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSO

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	Trips	PM10_IDLEX	TOG_IDLEX
Kings	2027	HHDT	Aggregate	Aggregate	Gasoline	1.143538	114.0644821	22.87992	0	0
Kings	2027	HHDT	Aggregate	Aggregate	Diesel	5158.188	772014.5136	93146.98	0.033685316	8.256243124
Kings	2027	HHDT	Aggregate	Aggregate	Electricity	72.39614	10270.40343	1310.149	0	0
Kings	2027	HHDT	Aggregate	Aggregate	Natural Gas	78.72548	5055.521593	786.1724	0.038422074	37.2704158
Kings	2027	LDA	Aggregate	Aggregate	Gasoline	62908.49	2585614.812	292178.7	0	0
Kings	2027	LDA	Aggregate	Aggregate	Diesel	128.2401	3925.927847	538.3937	0	0
Kings	2027	LDA	Aggregate	Aggregate	Electricity	4151.816	198340.0635	20563.28	0	0
Kings	2027	LDA	Aggregate	Aggregate	Plug-in Hyb	2174.46	101604.3091	8991.391	0	0
Kings	2027	LDT1	Aggregate	Aggregate	Gasoline	5369.27	181520.3638	23226.79	0	0
Kings	2027	LDT1	Aggregate	Aggregate	Diesel	2.483576	42.20129566	6.891219	0	0
Kings	2027	LDT1	Aggregate	Aggregate	Electricity	20.95526	1015.940301	104.007	0	0
Kings	2027	LDT1	Aggregate	Aggregate	Plug-in Hyb	17.46006	843.4184495	72.19735	0	0
Kings	2027	LDT2	Aggregate	Aggregate	Gasoline	30662.03	1206910.881	142913.2	0	0
Kings	2027	LDT2	Aggregate	Aggregate	Diesel	98.15438	4061.872748	468.6123	0	0
Kings	2027	LDT2	Aggregate	Aggregate	Electricity	341.3322	11918.8361	1720.102	0	0
Kings	2027	LDT2	Aggregate	Aggregate	Plug-in Hyb	358.4347	16494.87254	1482.128	0	0
Kings	2027	LHDT1	Aggregate	Aggregate	Gasoline	2578.268	95059.40872	38412.35	0	0.584639931
Kings	2027	LHDT1	Aggregate	Aggregate	Diesel	2604.802	90884.08115	32765.13	0.027329457	0.124954127
Kings	2027	LHDT1	Aggregate	Aggregate	Electricity	63.54716	4125.803496	890.0687	0	0
Kings	2027	LHDT2	Aggregate	Aggregate	Gasoline	323.4774	11638.31414	4819.331	0	0.574708098
Kings	2027	LHDT2	Aggregate	Aggregate	Diesel	860.5575	31597.33589	10824.73	0.027843282	0.124954127
Kings	2027	LHDT2	Aggregate	Aggregate	Electricity	16.01034	992.1566658	212.3714	0	0
Kings	2027	MCY	Aggregate	Aggregate	Gasoline	3358.708	18897.13371	6717.416	0	0
Kings	2027	MDV	Aggregate	Aggregate	Gasoline	26818.78	950792.3368	120905.7	0	0
Kings	2027	MDV	Aggregate	Aggregate	Diesel	410.1531	14693.46546	1865.254	0	0
Kings	2027	MDV	Aggregate	Aggregate	Electricity	366.6655	12765.52597	1846.044	0	0
Kings	2027	MDV	Aggregate	Aggregate	Plug-in Hyb	252.4913	11817.67493	1044.051	0	0
Kings	2027	MH	Aggregate	Aggregate	Gasoline	321.9418	2938.432384	32.20705	0	0
Kings	2027	MH	Aggregate	Aggregate	Diesel	190.7412	1639.797662	19.07412	0	0
Kings	2027	MHDT	Aggregate	Aggregate	Gasoline	168.687	10573.11143	3375.09	0	1.483238454
Kings	2027	MHDT	Aggregate	Aggregate	Diesel	1108.904	50906.22644	13030.49	0.02075349	0.253704824
Kings	2027	MHDT	Aggregate	Aggregate	Electricity	30.86767	1805.438784	391.2614	0	0
Kings	2027	MHDT	Aggregate	Aggregate	Natural Gas	14.35969	701.4426916	97.96834	0.026715514	17.68745628
Kings	2027	OBUS	Aggregate	Aggregate	Gasoline	65.85064	3323.00194	1317.54	0	1.085147133
Kings	2027	OBUS	Aggregate	Aggregate	Diesel	34.13353	2260.783268	419.2237	0.020053663	1.180701833
Kings	2027	OBUS	Aggregate	Aggregate	Electricity	0.693838	71.22279125	13.88231	0	0
Kings	2027	OBUS	Aggregate	Aggregate	Natural Gas	1.008211	48.15627738	8.973079	0.005223519	3.846696176
Kings	2027	SBUS	Aggregate	Aggregate	Gasoline	27.78566	1758.488309	111.1426	0	15.49772267
Kings	2027	SBUS	Aggregate	Aggregate	Diesel	130.6452	2776.302461	1891.742	0.027257991	0.182174096
Kings	2027	SBUS	Aggregate	Aggregate	Electricity	2.995768	90.53694041	39.85801	0	0
Kings	2027	SBUS	Aggregate	Aggregate	Natural Gas	21.15624	530.8861837	306.3424	0.017986229	12.83386546
Kings	2027	UBUS	Aggregate	Aggregate	Gasoline	11.503	493.0847821	46.01198	0	0
Kings	2027	UBUS	Aggregate	Aggregate	Diesel	3.852591	328.4221108	15.41036	0	0
Kings	2027	UBUS	Aggregate	Aggregate	Electricity	1.102239	97.41824042	4.408956	0	0
Kings	2027	UBUS	Aggregate	Aggregate	Natural Gas	26.01058	2578.186423	104.0423	0	0

Source: EMFAC2021 (v1.0.2) Emission Rates

Region Type: County
Region: Kings
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for Combustion VMT and Electric VMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, gallon/mile for Fuel Consumption, kWh/mile for Energy Consumption.

	Idle (g/trip)	15 mph (g/mi)	35 mph (g/mi)	40 mph (g/mi)
DPM Weighted Rates	0.001886542	0.019965313	0.009248684	0.010673458

Region	Calendar Yı	Vehicle Cat	Model Yeaı	Speed	Fuel	Population	Total VMT	Trips	PM10_IDLEX	
Kings	2027	HHDT	Aggregate	Aggregate	Diesel	5158.187949	772014.5136	93146.97602	0.033685316	173.7551902
Kings	2027	LHDT2	Aggregate	Aggregate	Diesel	860.5575164	31597.33589	10824.73098	0.027843282	23.96074546
Kings	2027	MHDT	Aggregate	Aggregate	Diesel	1108.904127	50906.22644	13030.48881	0.02075349	23.01363055

Region	Calendar Yı	Vehicle Cat	Model Yeaı	Speed	Fuel	Total VMT	PM10_RUNEX	
Kings	2027	HHDT	Aggregate	15	Diesel	11052.83015	0.008638552	95.4804495
Kings	2027	LHDT2	Aggregate	15	Diesel	4001.600065	0.052820636	211.3670594
Kings	2027	MHDT	Aggregate	15	Diesel	2082.011699	0.016948474	35.28692086

Region	Calendar Yı	Vehicle Cat	Model Yeaı	Speed	Fuel	Total VMT	PM10_RUNEX	
Kings	2027	HHDT	Aggregate	35	Diesel	16209.8649	0.008078548	130.9521784
Kings	2027	LHDT2	Aggregate	35	Diesel	2091.659219	0.026070781	54.53118969
Kings	2027	MHDT	Aggregate	35	Diesel	6609.9839	0.006795071	44.91530897

Region	Calendar Yı	Vehicle Cat	Model Yeaı	Speed	Fuel	Total VMT	PM10_RUNEX	
Kings	2027	HHDT	Aggregate	40	Diesel	19947.47425	0.010004887	199.5722325
Kings	2027	LHDT2	Aggregate	40	Diesel	1148.252542	0.022287889	25.5921248
Kings	2027	MHDT	Aggregate	40	Diesel	5398.377277	0.006837468	36.91123257

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Kings
Calendar Year: 2027

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for Combustion VMT and Electric VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN.

									Idle (g/trip)		
							TOG Weighted Rates		0.00263070		
Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	Trips	TOG_IDLEX		
Kings	2027	LDA	Aggregate	Aggregate	Gasoline	62908.49	2585614.812	292178.7	0	0	
Kings	2027	LDA	Aggregate	Aggregate	Diesel	128.2401	3925.927847	538.3937	0	0	
Kings	2027	LDA	Aggregate	Aggregate	Electricity	4151.816	198340.0635	20563.28	0	0	
Kings	2027	LDA	Aggregate	Aggregate	Plug-in Hyb	2174.46	101604.3091	8991.391	0	0	
Kings	2027	LDT1	Aggregate	Aggregate	Gasoline	5369.27	181520.3638	23226.79	0	0	
Kings	2027	LDT1	Aggregate	Aggregate	Diesel	2.483576	42.20129566	6.891219	0	0	
Kings	2027	LDT1	Aggregate	Aggregate	Electricity	20.95526	1015.940301	104.007	0	0	
Kings	2027	LDT1	Aggregate	Aggregate	Plug-in Hyb	17.46006	843.4184495	72.19735	0	0	
Kings	2027	LDT2	Aggregate	Aggregate	Gasoline	30662.03	1206910.881	142913.2	0	0	
Kings	2027	LDT2	Aggregate	Aggregate	Diesel	98.15438	4061.872748	468.6123	0	0	
Kings	2027	LDT2	Aggregate	Aggregate	Electricity	341.3322	11918.8361	1720.102	0	0	
Kings	2027	LDT2	Aggregate	Aggregate	Plug-in Hyb	358.4347	16494.87254	1482.128	0	0	
Kings	2027	LHDT1	Aggregate	Aggregate	Gasoline	2578.268	95059.40872	38412.35	0.584639931	1507.358	
Kings	2027	LHDT1	Aggregate	Aggregate	Diesel	2604.802	90884.08115	32765.13	0.124954127	325.4807	
Kings	2027	LHDT1	Aggregate	Aggregate	Electricity	63.54716	4125.803496	890.0687	0	0	
Kings	2027	MCY	Aggregate	Aggregate	Gasoline	3358.708	18897.13371	6717.416	0	0	
Kings	2027	MDV	Aggregate	Aggregate	Gasoline	26818.78	950792.3368	120905.7	0	0	
Kings	2027	MDV	Aggregate	Aggregate	Diesel	410.1531	14693.46546	1865.254	0	0	
Kings	2027	MDV	Aggregate	Aggregate	Electricity	366.6655	12765.52597	1846.044	0	0	
Kings	2027	MDV	Aggregate	Aggregate	Plug-in Hyb	252.4913	11817.67493	1044.051	0	0	

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** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 7/18/2025
** File: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Construction\Maverik Hanford_Construction.ADI
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** AERMOD Control Pathway
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   POLLUTID PM_10
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CO FINISHED
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** AERMOD Source Pathway
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**
SO STARTING
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** Source ID - Type - X Coord. - Y Coord. **
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** LINE VOLUME Source ID = ONSITE
** DESCRSRC
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.10
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SRCPARAM L0000067     0.0040322581      2.55      4.19      2.37
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SRCPARAM L0000070     0.0040322581      2.55      4.19      2.37
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** LINE VOLUME Source ID = HAUL1
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   SRCPARAM L0000265     0.012987013      2.55      4.19      2.37
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SRCPARAM L0000315     0.012987013      2.55      4.19      2.37
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   SRCPARAM L0000325     0.012987013      2.55      4.19      2.37
** ----------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000249     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000249     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000302     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000227     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000229     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000240     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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SRCGROUP ONSITE   L0000169 L0000170 L0000171 L0000172 L0000173 L0000174
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   SRCGROUP HAUL     L0000321 L0000322 L0000323 L0000324 L0000325
   SRCGROUP ALL
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RE FINISHED
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** AERMOD Meteorology Pathway
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Hanford_Construction\Met Data\
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   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
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** AERMOD Output Pathway
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   RECTABLE 1 1ST
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   PLOTFILE 1 HAUL 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
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   PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
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** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
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** AERMOD VIEW VER. 13.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/18/2025
** FILE: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.ADI
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** AERMOD CONTROL PATHWAY
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   AVERTIME 1 PERIOD
   URBANOPT 59938 CITY_OF_HANFORD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "MAVERIK HANFORD_CONSTRUCTION.ERR"
CO FINISHED
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** AERMOD SOURCE PATHWAY
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SO STARTING
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** SOURCE ID - TYPE - X COORD. - Y COORD. **
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** LINE VOLUME SOURCE ID = ONSITE
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 28
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LOCATION L0000208 VOLUME 259948.191 4022376.352 67.22
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LOCATION L0000213 VOLUME 259992.489 4022376.830 67.38
LOCATION L0000214 VOLUME 259992.098 4022385.822 67.39
LOCATION L0000215 VOLUME 259987.802 4022390.681 67.27
LOCATION L0000216 VOLUME 259978.803 4022390.565 67.23
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** CONFIGURATION = ADJACENT
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** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
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   LOCATION L0000272     VOLUME   259748.946 4022515.918 68.24
   LOCATION L0000273     VOLUME   259757.642 4022513.599 68.15
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   LOCATION L0000276     VOLUME   259783.693 4022506.506 68.05
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   LOCATION L0000284     VOLUME   259852.444 4022485.171 68.30
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** LINE VOLUME SOURCE ID = HAUL1
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   SRCPARAM L0000265     0.012987013      2.55      4.19      2.37
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SRCPARAM L0000269     0.012987013      2.55      4.19      2.37
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** ------------------------------------------------------------------
   URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / DAY (HRDOW)"
** VARIABLE EMISSION SCENARIO: "SCENARIO 2"
** WEEKDAYS:
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   EMISFACT L0000249     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000249     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000250     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000251     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000252     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000252     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000253     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000254     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000254     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000255     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000255     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000255     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000256     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000256     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000257     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000269     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000269     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000282     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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** SATURDAY:
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EMISFACT L0000262     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** SUNDAY:
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   EMISFACT L0000317     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000317     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000318     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WEEKDAYS:
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   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000027     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000052     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000188     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000190     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000227     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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** SATURDAY:
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   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000204     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** SUNDAY:
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   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000211     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000214     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000218     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000241     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000243     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000244     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000247     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000248     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ONSITE   L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP ONSITE   L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP ONSITE   L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP ONSITE   L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP ONSITE   L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP ONSITE   L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP ONSITE   L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP ONSITE   L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP ONSITE   L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP ONSITE   L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
SRCGROUP ONSITE   L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
SRCGROUP ONSITE   L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
SRCGROUP ONSITE   L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
SRCGROUP ONSITE   L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
SRCGROUP ONSITE   L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
SRCGROUP ONSITE   L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
SRCGROUP ONSITE   L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
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SRCGROUP ONSITE   L0000115 L0000116 L0000117 L0000118 L0000119 L0000120
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SRCGROUP ONSITE   L0000127 L0000128 L0000129 L0000130 L0000131 L0000132
SRCGROUP ONSITE   L0000133 L0000134 L0000135 L0000136 L0000137 L0000138
SRCGROUP ONSITE   L0000139 L0000140 L0000141 L0000142 L0000143 L0000144
SRCGROUP ONSITE   L0000145 L0000146 L0000147 L0000148 L0000149 L0000150
SRCGROUP ONSITE   L0000151 L0000152 L0000153 L0000154 L0000155 L0000156
SRCGROUP ONSITE   L0000157 L0000158 L0000159 L0000160 L0000161 L0000162
SRCGROUP ONSITE   L0000163 L0000164 L0000165 L0000166 L0000167 L0000168
SRCGROUP ONSITE   L0000169 L0000170 L0000171 L0000172 L0000173 L0000174
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   SRCGROUP ONSITE   L0000175 L0000176 L0000177 L0000178 L0000179 L0000180
   SRCGROUP ONSITE   L0000181 L0000182 L0000183 L0000184 L0000185 L0000186
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   SRCGROUP ONSITE   L0000193 L0000194 L0000195 L0000196 L0000197 L0000198
   SRCGROUP ONSITE   L0000199 L0000200 L0000201 L0000202 L0000203 L0000204
   SRCGROUP ONSITE   L0000205 L0000206 L0000207 L0000208 L0000209 L0000210
   SRCGROUP ONSITE   L0000211 L0000212 L0000213 L0000214 L0000215 L0000216
   SRCGROUP ONSITE   L0000217 L0000218 L0000219 L0000220 L0000221 L0000222
   SRCGROUP ONSITE   L0000223 L0000224 L0000225 L0000226 L0000227 L0000228
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   SRCGROUP ONSITE   L0000241 L0000242 L0000243 L0000244 L0000245 L0000246
   SRCGROUP ONSITE   L0000247 L0000248
   SRCGROUP HAUL     L0000249 L0000250 L0000251 L0000252 L0000253 L0000254
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   SRCGROUP HAUL     L0000261 L0000262 L0000263 L0000264 L0000265 L0000266
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   SRCGROUP HAUL     L0000297 L0000298 L0000299 L0000300 L0000301 L0000302
   SRCGROUP HAUL     L0000303 L0000304 L0000305 L0000306 L0000307 L0000308
   SRCGROUP HAUL     L0000309 L0000310 L0000311 L0000312 L0000313 L0000314
   SRCGROUP HAUL     L0000315 L0000316 L0000317 L0000318 L0000319 L0000320
   SRCGROUP HAUL     L0000321 L0000322 L0000323 L0000324 L0000325
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "MAVERIK HANFORD_CONSTRUCTION.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
** SURFACE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MET DATA\
   SURFFILE METDAT~1\HANFOR~1.SFC
** PROFILE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MET DATA\
   PROFFILE METDAT~1\HANFOR~1.PFL
```

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   SURFDATA 53119 2018 HANFORD
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\01H1GALL.PLT" 31
   PLOTFILE   1 ONSITE 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\01H1G001.PLT" 32
   PLOTFILE   1 HAUL 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\01H1G002.PLT" 33
   PLOTFILE   PERIOD ALL "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\PE00GALL.PLT" 34
   PLOTFILE   PERIOD ONSITE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\PE00G001.PLT" 35
   PLOTFILE   PERIOD HAUL "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.AD\PE00G002.PLT" 36
   SUMMFILE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONSTRUCTION.SUM"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    4751       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    4751       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

```
 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   325 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =     59938.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    325 Source(s);       3 Source Group(s); and     825
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    325 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
```

```
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  21112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    74.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.0 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   MAVERIK HANFORD_CONSTRUCTION.ERR

 **File for Summary of Results:   C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK
HANFORD\MAVERIK HANFORD_CONSTRUCTION\MAVERIK HANFORD_CONST
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53

                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000001	0	0.40323E-02	259994.4	4022243.2	67.5	2.55	4.19	2.37	YES	HRDOW
L0000002	0	0.40323E-02	259985.4	4022243.4	67.5	2.55	4.19	2.37	YES	HRDOW
L0000003	0	0.40323E-02	259976.4	4022243.6	67.5	2.55	4.19	2.37	YES	HRDOW
L0000004	0	0.40323E-02	259967.4	4022243.9	67.5	2.55	4.19	2.37	YES	HRDOW
L0000005	0	0.40323E-02	259958.4	4022244.1	67.5	2.55	4.19	2.37	YES	HRDOW
L0000006	0	0.40323E-02	259949.4	4022244.3	67.5	2.55	4.19	2.37	YES	HRDOW
L0000007	0	0.40323E-02	259940.4	4022244.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000008	0	0.40323E-02	259931.4	4022244.8	67.4	2.55	4.19	2.37	YES	HRDOW
L0000009	0	0.40323E-02	259922.4	4022245.0	67.4	2.55	4.19	2.37	YES	HRDOW
L0000010	0	0.40323E-02	259913.4	4022245.2	67.4	2.55	4.19	2.37	YES	HRDOW
L0000011	0	0.40323E-02	259904.4	4022245.4	67.4	2.55	4.19	2.37	YES	HRDOW
L0000012	0	0.40323E-02	259895.4	4022245.7	67.4	2.55	4.19	2.37	YES	HRDOW
L0000013	0	0.40323E-02	259886.4	4022245.9	67.4	2.55	4.19	2.37	YES	HRDOW
L0000014	0	0.40323E-02	259877.4	4022246.1	67.4	2.55	4.19	2.37	YES	HRDOW
L0000015	0	0.40323E-02	259868.4	4022246.3	67.4	2.55	4.19	2.37	YES	HRDOW
L0000016	0	0.40323E-02	259859.4	4022246.6	67.4	2.55	4.19	2.37	YES	HRDOW
L0000017	0	0.40323E-02	259850.4	4022246.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000018	0	0.40323E-02	259846.8	4022252.2	67.3	2.55	4.19	2.37	YES	HRDOW
L0000019	0	0.40323E-02	259855.4	4022252.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000020	0	0.40323E-02	259864.4	4022252.5	67.4	2.55	4.19			

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2.37     YES   HRDOW
 L0000021         0   0.40323E-02  259873.4 4022252.5    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000022         0   0.40323E-02  259882.4 4022252.4    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000023         0   0.40323E-02  259891.4 4022252.4    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000024         0   0.40323E-02  259900.4 4022252.4    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000025         0   0.40323E-02  259909.4 4022252.3    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000026         0   0.40323E-02  259918.4 4022252.3    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000027         0   0.40323E-02  259927.4 4022252.2    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000028         0   0.40323E-02  259936.4 4022252.2    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000029         0   0.40323E-02  259945.4 4022252.2    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000030         0   0.40323E-02  259954.4 4022252.1    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000031         0   0.40323E-02  259963.4 4022252.1    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000032         0   0.40323E-02  259972.4 4022252.1    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000033         0   0.40323E-02  259981.4 4022252.0    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000034         0   0.40323E-02  259990.4 4022252.0    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000035         0   0.40323E-02  259996.7 4022255.0    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000036         0   0.40323E-02  259995.1 4022261.5    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000037         0   0.40323E-02  259986.1 4022261.5    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000038         0   0.40323E-02  259977.1 4022261.5    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000039         0   0.40323E-02  259968.1 4022261.5    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000040         0   0.40323E-02  259959.1 4022261.5    67.4     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000041	0	0.40323E-02	259950.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000042	0	0.40323E-02	259941.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000043	0	0.40323E-02	259932.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000044	0	0.40323E-02	259923.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000045	0	0.40323E-02	259914.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000046	0	0.40323E-02	259905.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000047	0	0.40323E-02	259896.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000048	0	0.40323E-02	259887.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000049	0	0.40323E-02	259878.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000050	0	0.40323E-02	259869.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000051	0	0.40323E-02	259860.1	4022261.5	67.4	2.55	4.19	2.37	YES	HRDOW
L0000052	0	0.40323E-02	259851.1	4022261.5	67.3	2.55	4.19	2.37	YES	HRDOW
L0000053	0	0.40323E-02	259847.4	4022266.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000054	0	0.40323E-02	259851.6	4022271.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000055	0	0.40323E-02	259860.6	4022271.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000056	0	0.40323E-02	259869.6	4022271.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000057	0	0.40323E-02	259878.6	4022271.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000058	0	0.40323E-02	259887.6	4022271.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000059	0	0.40323E-02	259896.6	4022271.6	67.4	2.55	4.19	2.37	YES	HRDOW
L0000060	0	0.40323E-02	259905.6	4022271.6	67.4	2.55	4.19			

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2.37     YES   HRDOW
 L0000061         0   0.40323E-02  259914.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000062         0   0.40323E-02  259923.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000063         0   0.40323E-02  259932.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000064         0   0.40323E-02  259941.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000065         0   0.40323E-02  259950.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000066         0   0.40323E-02  259959.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000067         0   0.40323E-02  259968.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000068         0   0.40323E-02  259977.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000069         0   0.40323E-02  259986.6 4022271.6    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000070         0   0.40323E-02  259995.6 4022271.6    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000071         0   0.40323E-02  259998.2 4022277.9    67.5     2.55     4.19
2.37     YES   HRDOW
 L0000072         0   0.40323E-02  259994.3 4022283.0    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000073         0   0.40323E-02  259985.3 4022283.0    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000074         0   0.40323E-02  259976.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000075         0   0.40323E-02  259967.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000076         0   0.40323E-02  259958.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000077         0   0.40323E-02  259949.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000078         0   0.40323E-02  259940.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000079         0   0.40323E-02  259931.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000080         0   0.40323E-02  259922.3 4022283.0    67.3     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000081	0	0.40323E-02	259913.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000082	0	0.40323E-02	259904.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000083	0	0.40323E-02	259895.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000084	0	0.40323E-02	259886.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000085	0	0.40323E-02	259877.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000086	0	0.40323E-02	259868.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000087	0	0.40323E-02	259859.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000088	0	0.40323E-02	259850.3	4022283.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000089	0	0.40323E-02	259847.8	4022289.1	67.3	2.55	4.19	2.37	YES	HRDOW
L0000090	0	0.40323E-02	259852.4	4022293.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000091	0	0.40323E-02	259861.4	4022293.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000092	0	0.40323E-02	259870.4	4022293.9	67.3	2.55	4.19	2.37	YES	HRDOW
L0000093	0	0.40323E-02	259879.4	4022293.9	67.3	2.55	4.19	2.37	YES	HRDOW
L0000094	0	0.40323E-02	259888.4	4022293.9	67.3	2.55	4.19	2.37	YES	HRDOW
L0000095	0	0.40323E-02	259897.4	4022294.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000096	0	0.40323E-02	259906.4	4022294.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000097	0	0.40323E-02	259915.4	4022294.1	67.3	2.55	4.19	2.37	YES	HRDOW
L0000098	0	0.40323E-02	259924.4	4022294.1	67.3	2.55	4.19	2.37	YES	HRDOW
L0000099	0	0.40323E-02	259933.4	4022294.1	67.3	2.55	4.19	2.37	YES	HRDOW
L0000100	0	0.40323E-02	259942.4	4022294.2	67.3	2.55	4.19			

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2.37     YES   HRDOW
 L0000101         0   0.40323E-02  259951.4 4022294.2    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000102         0   0.40323E-02  259960.4 4022294.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000103         0   0.40323E-02  259969.4 4022294.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000104         0   0.40323E-02  259978.4 4022294.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000105         0   0.40323E-02  259987.4 4022294.4    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000106         0   0.40323E-02  259996.4 4022294.4    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000107         0   0.40323E-02  259997.0 4022302.8    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000108         0   0.40323E-02  259993.5 4022308.3    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000109         0   0.40323E-02  259984.5 4022308.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000110         0   0.40323E-02  259975.5 4022308.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000111         0   0.40323E-02  259966.5 4022308.2    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000112         0   0.40323E-02  259957.5 4022308.2    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000113         0   0.40323E-02  259948.5 4022308.1    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000114         0   0.40323E-02  259939.5 4022308.1    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000115         0   0.40323E-02  259930.5 4022308.1    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000116         0   0.40323E-02  259921.5 4022308.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000117         0   0.40323E-02  259912.5 4022308.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000118         0   0.40323E-02  259903.5 4022308.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000119         0   0.40323E-02  259894.5 4022307.9    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000120         0   0.40323E-02  259885.5 4022307.9    67.3     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000121	0	0.40323E-02	259876.5	4022307.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000122	0	0.40323E-02	259867.5	4022307.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000123	0	0.40323E-02	259858.5	4022307.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000124	0	0.40323E-02	259849.5	4022307.7	67.3	2.55	4.19	2.37	YES	HRDOW
L0000125	0	0.40323E-02	259848.7	4022315.9	67.3	2.55	4.19	2.37	YES	HRDOW
L0000126	0	0.40323E-02	259854.4	4022319.2	67.3	2.55	4.19	2.37	YES	HRDOW
L0000127	0	0.40323E-02	259863.4	4022319.4	67.3	2.55	4.19	2.37	YES	HRDOW
L0000128	0	0.40323E-02	259872.4	4022319.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000129	0	0.40323E-02	259881.4	4022319.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000130	0	0.40323E-02	259890.4	4022320.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000131	0	0.40323E-02	259899.4	4022320.2	67.3	2.55	4.19	2.37	YES	HRDOW
L0000132	0	0.40323E-02	259908.4	4022320.4	67.3	2.55	4.19	2.37	YES	HRDOW
L0000133	0	0.40323E-02	259917.4	4022320.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000134	0	0.40323E-02	259926.4	4022320.8	67.3	2.55	4.19	2.37	YES	HRDOW
L0000135	0	0.40323E-02	259935.4	4022321.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000136	0	0.40323E-02	259944.4	4022321.2	67.3	2.55	4.19	2.37	YES	HRDOW
L0000137	0	0.40323E-02	259953.4	4022321.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000138	0	0.40323E-02	259962.4	4022321.6	67.2	2.55	4.19	2.37	YES	HRDOW
L0000139	0	0.40323E-02	259971.4	4022321.8	67.2	2.55	4.19	2.37	YES	HRDOW
L0000140	0	0.40323E-02	259980.4	4022322.0	67.2	2.55	4.19			

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2.37     YES   HRDOW
 L0000141         0   0.40323E-02  259989.4 4022322.2    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000142         0   0.40323E-02  259995.4 4022325.0    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000143         0   0.40323E-02  259994.5 4022333.9    67.4     2.55     4.19
2.37     YES   HRDOW
 L0000144         0   0.40323E-02  259985.8 4022334.2    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000145         0   0.40323E-02  259976.8 4022334.1    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000146         0   0.40323E-02  259967.8 4022334.0    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000147         0   0.40323E-02  259958.8 4022333.9    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000148         0   0.40323E-02  259949.8 4022333.8    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000149         0   0.40323E-02  259940.8 4022333.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000150         0   0.40323E-02  259931.8 4022333.5    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000151         0   0.40323E-02  259922.8 4022333.4    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000152         0   0.40323E-02  259913.8 4022333.3    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000153         0   0.40323E-02  259904.8 4022333.2    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000154         0   0.40323E-02  259895.8 4022333.0    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000155         0   0.40323E-02  259886.8 4022332.9    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000156         0   0.40323E-02  259877.8 4022332.8    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000157         0   0.40323E-02  259868.8 4022332.7    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000158         0   0.40323E-02  259859.8 4022332.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000159         0   0.40323E-02  259850.8 4022332.5    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000160         0   0.40323E-02  259847.4 4022339.2    67.3     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000161	0	0.40323E-02	259847.8	4022346.4	67.3	2.55	4.19	2.37	YES	HRDOW
L0000162	0	0.40323E-02	259856.8	4022346.5	67.3	2.55	4.19	2.37	YES	HRDOW
L0000163	0	0.40323E-02	259865.8	4022346.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000164	0	0.40323E-02	259874.8	4022346.7	67.3	2.55	4.19	2.37	YES	HRDOW
L0000165	0	0.40323E-02	259883.8	4022346.9	67.3	2.55	4.19	2.37	YES	HRDOW
L0000166	0	0.40323E-02	259892.8	4022347.0	67.3	2.55	4.19	2.37	YES	HRDOW
L0000167	0	0.40323E-02	259901.8	4022347.1	67.3	2.55	4.19	2.37	YES	HRDOW
L0000168	0	0.40323E-02	259910.8	4022347.2	67.3	2.55	4.19	2.37	YES	HRDOW
L0000169	0	0.40323E-02	259919.8	4022347.3	67.3	2.55	4.19	2.37	YES	HRDOW
L0000170	0	0.40323E-02	259928.8	4022347.4	67.3	2.55	4.19	2.37	YES	HRDOW
L0000171	0	0.40323E-02	259937.8	4022347.6	67.2	2.55	4.19	2.37	YES	HRDOW
L0000172	0	0.40323E-02	259946.8	4022347.7	67.2	2.55	4.19	2.37	YES	HRDOW
L0000173	0	0.40323E-02	259955.8	4022347.8	67.2	2.55	4.19	2.37	YES	HRDOW
L0000174	0	0.40323E-02	259964.8	4022347.9	67.2	2.55	4.19	2.37	YES	HRDOW
L0000175	0	0.40323E-02	259973.8	4022348.0	67.2	2.55	4.19	2.37	YES	HRDOW
L0000176	0	0.40323E-02	259982.8	4022348.1	67.2	2.55	4.19	2.37	YES	HRDOW
L0000177	0	0.40323E-02	259991.8	4022348.3	67.3	2.55	4.19	2.37	YES	HRDOW
L0000178	0	0.40323E-02	259993.5	4022355.9	67.4	2.55	4.19	2.37	YES	HRDOW
L0000179	0	0.40323E-02	259990.5	4022361.6	67.3	2.55	4.19	2.37	YES	HRDOW
L0000180	0	0.40323E-02	259981.5	4022361.6	67.2	2.55	4.19			

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2.37     YES   HRDOW
 L0000181         0   0.40323E-02  259972.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000182         0   0.40323E-02  259963.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000183         0   0.40323E-02  259954.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000184         0   0.40323E-02  259945.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000185         0   0.40323E-02  259936.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000186         0   0.40323E-02  259927.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000187         0   0.40323E-02  259918.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000188         0   0.40323E-02  259909.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000189         0   0.40323E-02  259900.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000190         0   0.40323E-02  259891.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000191         0   0.40323E-02  259882.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000192         0   0.40323E-02  259873.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000193         0   0.40323E-02  259864.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000194         0   0.40323E-02  259855.5 4022361.6    67.3     2.55     4.19
2.37     YES   HRDOW
 L0000195         0   0.40323E-02  259846.5 4022361.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000196         0   0.40323E-02  259846.5 4022370.2    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000197         0   0.40323E-02  259849.2 4022376.8    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000198         0   0.40323E-02  259858.2 4022376.7    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000199         0   0.40323E-02  259867.2 4022376.7    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000200         0   0.40323E-02  259876.2 4022376.7    67.2     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000201	0	0.40323E-02	259885.2	4022376.6	67.2	2.55	4.19	2.37	YES	HRDOW
L0000202	0	0.40323E-02	259894.2	4022376.6	67.2	2.55	4.19	2.37	YES	HRDOW
L0000203	0	0.40323E-02	259903.2	4022376.5	67.2	2.55	4.19	2.37	YES	HRDOW
L0000204	0	0.40323E-02	259912.2	4022376.5	67.2	2.55	4.19	2.37	YES	HRDOW
L0000205	0	0.40323E-02	259921.2	4022376.5	67.2	2.55	4.19	2.37	YES	HRDOW
L0000206	0	0.40323E-02	259930.2	4022376.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000207	0	0.40323E-02	259939.2	4022376.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000208	0	0.40323E-02	259948.2	4022376.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000209	0	0.40323E-02	259957.2	4022376.3	67.2	2.55	4.19	2.37	YES	HRDOW
L0000210	0	0.40323E-02	259966.2	4022376.3	67.2	2.55	4.19	2.37	YES	HRDOW
L0000211	0	0.40323E-02	259975.2	4022376.2	67.2	2.55	4.19	2.37	YES	HRDOW
L0000212	0	0.40323E-02	259984.2	4022376.2	67.2	2.55	4.19	2.37	YES	HRDOW
L0000213	0	0.40323E-02	259992.5	4022376.8	67.4	2.55	4.19	2.37	YES	HRDOW
L0000214	0	0.40323E-02	259992.1	4022385.8	67.4	2.55	4.19	2.37	YES	HRDOW
L0000215	0	0.40323E-02	259987.8	4022390.7	67.3	2.55	4.19	2.37	YES	HRDOW
L0000216	0	0.40323E-02	259978.8	4022390.6	67.2	2.55	4.19	2.37	YES	HRDOW
L0000217	0	0.40323E-02	259969.8	4022390.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000218	0	0.40323E-02	259960.8	4022390.3	67.2	2.55	4.19	2.37	YES	HRDOW
L0000219	0	0.40323E-02	259951.8	4022390.2	67.2	2.55	4.19	2.37	YES	HRDOW
L0000220	0	0.40323E-02	259942.8	4022390.1	67.2	2.55	4.19			

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2.37     YES   HRDOW
 L0000221         0   0.40323E-02  259933.8 4022390.0    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000222         0   0.40323E-02  259924.8 4022389.9    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000223         0   0.40323E-02  259915.8 4022389.7    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000224         0   0.40323E-02  259906.8 4022389.6    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000225         0   0.40323E-02  259897.8 4022389.5    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000226         0   0.40323E-02  259888.8 4022389.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000227         0   0.40323E-02  259879.8 4022389.3    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000228         0   0.40323E-02  259870.8 4022389.2    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000229         0   0.40323E-02  259861.8 4022389.0    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000230         0   0.40323E-02  259852.8 4022388.9    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000231         0   0.40323E-02  259845.6 4022390.5    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000232         0   0.40323E-02  259846.0 4022399.5    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000233         0   0.40323E-02  259851.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000234         0   0.40323E-02  259860.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000235         0   0.40323E-02  259869.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000236         0   0.40323E-02  259878.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000237         0   0.40323E-02  259887.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000238         0   0.40323E-02  259896.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000239         0   0.40323E-02  259905.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 L0000240         0   0.40323E-02  259914.2 4022403.4    67.2     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000241	0	0.40323E-02	259923.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000242	0	0.40323E-02	259932.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000243	0	0.40323E-02	259941.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000244	0	0.40323E-02	259950.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000245	0	0.40323E-02	259959.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000246	0	0.40323E-02	259968.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000247	0	0.40323E-02	259977.2	4022403.4	67.2	2.55	4.19	2.37	YES	HRDOW
L0000248	0	0.40323E-02	259986.2	4022403.4	67.3	2.55	4.19	2.37	YES	HRDOW
L0000249	0	0.12987E-01	259542.8	4022511.6	68.5	2.55	4.19	2.37	YES	HRDOW
L0000250	0	0.12987E-01	259551.8	4022512.3	68.5	2.55	4.19	2.37	YES	HRDOW
L0000251	0	0.12987E-01	259560.8	4022513.1	68.4	2.55	4.19	2.37	YES	HRDOW
L0000252	0	0.12987E-01	259569.8	4022513.8	68.4	2.55	4.19	2.37	YES	HRDOW
L0000253	0	0.12987E-01	259578.7	4022514.6	68.4	2.55	4.19	2.37	YES	HRDOW
L0000254	0	0.12987E-01	259587.7	4022515.3	68.4	2.55	4.19	2.37	YES	HRDOW
L0000255	0	0.12987E-01	259596.7	4022516.1	68.4	2.55	4.19	2.37	YES	HRDOW
L0000256	0	0.12987E-01	259605.6	4022516.8	68.4	2.55	4.19	2.37	YES	HRDOW
L0000257	0	0.12987E-01	259614.6	4022517.6	68.4	2.55	4.19	2.37	YES	HRDOW
L0000258	0	0.12987E-01	259623.6	4022518.3	68.4	2.55	4.19	2.37	YES	HRDOW
L0000259	0	0.12987E-01	259632.5	4022519.0	68.4	2.55	4.19	2.37	YES	HRDOW
L0000260	0	0.12987E-01	259641.5	4022519.7	68.4	2.55	4.19			

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2.37     YES   HRDOW
 L0000261         0   0.12987E-01  259650.5 4022520.3    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000262         0   0.12987E-01  259659.5 4022521.0    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000263         0   0.12987E-01  259668.5 4022521.4    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000264         0   0.12987E-01  259677.4 4022521.5    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000265         0   0.12987E-01  259686.4 4022521.7    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000266         0   0.12987E-01  259695.4 4022521.8    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000267         0   0.12987E-01  259704.4 4022521.9    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000268         0   0.12987E-01  259713.4 4022521.1    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000269         0   0.12987E-01  259722.3 4022520.1    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000270         0   0.12987E-01  259731.3 4022519.2    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000271         0   0.12987E-01  259740.2 4022518.2    68.3     2.55     4.19
2.37     YES   HRDOW
 L0000272         0   0.12987E-01  259748.9 4022515.9    68.2     2.55     4.19
2.37     YES   HRDOW
 L0000273         0   0.12987E-01  259757.6 4022513.6    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000274         0   0.12987E-01  259766.3 4022511.3    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000275         0   0.12987E-01  259775.0 4022508.9    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000276         0   0.12987E-01  259783.7 4022506.5    68.0     2.55     4.19
2.37     YES   HRDOW
 L0000277         0   0.12987E-01  259792.4 4022504.1    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000278         0   0.12987E-01  259801.0 4022501.6    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000279         0   0.12987E-01  259809.6 4022498.8    68.0     2.55     4.19
2.37     YES   HRDOW
 L0000280         0   0.12987E-01  259818.1 4022496.0    68.0     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE   9
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000281	0	0.12987E-01	259826.7	4022493.2	68.0	2.55	4.19	2.37	YES	HRDOW
L0000282	0	0.12987E-01	259835.2	4022490.4	68.1	2.55	4.19	2.37	YES	HRDOW
L0000283	0	0.12987E-01	259843.8	4022487.7	68.2	2.55	4.19	2.37	YES	HRDOW
L0000284	0	0.12987E-01	259852.4	4022485.2	68.3	2.55	4.19	2.37	YES	HRDOW
L0000285	0	0.12987E-01	259861.1	4022482.6	68.5	2.55	4.19	2.37	YES	HRDOW
L0000286	0	0.12987E-01	259869.7	4022480.1	68.8	2.55	4.19	2.37	YES	HRDOW
L0000287	0	0.12987E-01	259878.3	4022477.6	69.0	2.55	4.19	2.37	YES	HRDOW
L0000288	0	0.12987E-01	259887.0	4022475.1	69.3	2.55	4.19	2.37	YES	HRDOW
L0000289	0	0.12987E-01	259895.7	4022472.8	69.7	2.55	4.19	2.37	YES	HRDOW
L0000290	0	0.12987E-01	259904.4	4022470.5	70.0	2.55	4.19	2.37	YES	HRDOW
L0000291	0	0.12987E-01	259913.2	4022468.8	70.2	2.55	4.19	2.37	YES	HRDOW
L0000292	0	0.12987E-01	259922.2	4022467.7	70.5	2.55	4.19	2.37	YES	HRDOW
L0000293	0	0.12987E-01	259931.1	4022466.7	70.9	2.55	4.19	2.37	YES	HRDOW
L0000294	0	0.12987E-01	259940.0	4022465.6	71.1	2.55	4.19	2.37	YES	HRDOW
L0000295	0	0.12987E-01	259949.0	4022464.5	71.2	2.55	4.19	2.37	YES	HRDOW
L0000296	0	0.12987E-01	259958.0	4022464.3	71.4	2.55	4.19	2.37	YES	HRDOW
L0000297	0	0.12987E-01	259967.0	4022464.3	71.6	2.55	4.19	2.37	YES	HRDOW
L0000298	0	0.12987E-01	259976.0	4022464.3	71.8	2.55	4.19	2.37	YES	HRDOW
L0000299	0	0.12987E-01	259985.0	4022464.2	71.9	2.55	4.19	2.37	YES	HRDOW
L0000300	0	0.12987E-01	259993.9	4022464.0	72.1	2.55	4.19			

```
2.37     YES   HRDOW
 L0000301         0   0.12987E-01  260002.9 4022463.7    72.3     2.55     4.19
2.37     YES   HRDOW
 L0000302         0   0.12987E-01  260011.9 4022463.0    72.4     2.55     4.19
2.37     YES   HRDOW
 L0000303         0   0.12987E-01  260019.0 4022459.3    72.4     2.55     4.19
2.37     YES   HRDOW
 L0000304         0   0.12987E-01  260020.5 4022450.7    71.9     2.55     4.19
2.37     YES   HRDOW
 L0000305         0   0.12987E-01  260020.3 4022441.7    71.2     2.55     4.19
2.37     YES   HRDOW
 L0000306         0   0.12987E-01  260020.1 4022432.7    70.7     2.55     4.19
2.37     YES   HRDOW
 L0000307         0   0.12987E-01  260019.9 4022423.7    70.2     2.55     4.19
2.37     YES   HRDOW
 L0000308         0   0.12987E-01  260019.7 4022414.7    69.7     2.55     4.19
2.37     YES   HRDOW
 L0000309         0   0.12987E-01  260019.5 4022405.7    69.2     2.55     4.19
2.37     YES   HRDOW
 L0000310         0   0.12987E-01  260019.3 4022396.7    69.0     2.55     4.19
2.37     YES   HRDOW
 L0000311         0   0.12987E-01  260019.1 4022387.7    68.9     2.55     4.19
2.37     YES   HRDOW
 L0000312         0   0.12987E-01  260018.9 4022378.7    68.8     2.55     4.19
2.37     YES   HRDOW
 L0000313         0   0.12987E-01  260018.7 4022369.8    68.6     2.55     4.19
2.37     YES   HRDOW
 L0000314         0   0.12987E-01  260018.5 4022360.8    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000315         0   0.12987E-01  260018.3 4022351.8    68.5     2.55     4.19
2.37     YES   HRDOW
 L0000316         0   0.12987E-01  260018.1 4022342.8    68.4     2.55     4.19
2.37     YES   HRDOW
 L0000317         0   0.12987E-01  260018.0 4022333.8    68.3     2.55     4.19
2.37     YES   HRDOW
 L0000318         0   0.12987E-01  260017.8 4022324.8    68.2     2.55     4.19
2.37     YES   HRDOW
 L0000319         0   0.12987E-01  260017.6 4022315.8    68.1     2.55     4.19
2.37     YES   HRDOW
 L0000320         0   0.12987E-01  260017.4 4022306.8    68.0     2.55     4.19
2.37     YES   HRDOW
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000321	0	0.12987E-01	260017.2	4022297.8	68.0	2.55	4.19	2.37	YES	HRDOW
L0000322	0	0.12987E-01	260017.0	4022288.8	67.9	2.55	4.19	2.37	YES	HRDOW
L0000323	0	0.12987E-01	260016.8	4022279.8	67.9	2.55	4.19	2.37	YES	HRDOW
L0000324	0	0.12987E-01	260016.6	4022270.8	67.8	2.55	4.19	2.37	YES	HRDOW
L0000325	0	0.12987E-01	260016.4	4022261.8	67.8	2.55	4.19	2.37	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ONSITE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,

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L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    , L0000053    ,
L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    , L0000061    ,
L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

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L0000110    , L0000111    , L0000112    ,

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L0000118    , L0000119    , L0000120    ,

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L0000126    , L0000127    , L0000128    ,

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L0000134    , L0000135    , L0000136    ,

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L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

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L0000158    , L0000159    , L0000160    ,
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
	L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
	L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
	L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
	L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 ,
	L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 ,
	L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 ,
	L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 ,
HAUL	L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 ,
	L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 ,
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L0000278   , L0000279   , L0000280   ,

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L0000294   , L0000295   , L0000296   ,

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L0000310   , L0000311   , L0000312   ,

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L0000318   , L0000319   , L0000320   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000321   , L0000322   , L0000323   , L0000324   , L0000325   ,

  ALL   L0000001   , L0000002   , L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   ,

             L0000009   , L0000010   , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   ,

             L0000017   , L0000018   , L0000019   , L0000020   , L0000021   ,
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             L0000065    , L0000066    , L0000067    , L0000068    , L0000069    ,
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L0000078    , L0000079    , L0000080    ,

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L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
	L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
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	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 , L0000215 , L0000216 ,
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	L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 ,
	L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 ,
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	L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 ,
	L0000265 , L0000266 , L0000267 , L0000268 , L0000269 ,

L0000270   , L0000271   , L0000272   ,

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L0000278   , L0000279   , L0000280   ,

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L0000294   , L0000295   , L0000296   ,

             L0000297   , L0000298   , L0000299   , L0000300   , L0000301   ,
L0000302   , L0000303   , L0000304   ,

             L0000305   , L0000306   , L0000307   , L0000308   , L0000309   ,
L0000310   , L0000311   , L0000312   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000313   , L0000314   , L0000315   , L0000316   , L0000317   ,
L0000318   , L0000319   , L0000320   ,

             L0000321   , L0000322   , L0000323   , L0000324   , L0000325   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
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              59938.   L0000001    , L0000002    , L0000003    , L0000004    ,
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 L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    ,
L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , L0000021    ,
L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    , L0000029    ,
L0000030    , L0000031    , L0000032    ,

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*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 ,

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L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
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L0000214 , L0000215 , L0000216 ,

L0000217 , L0000218 , L0000219 , L0000220 , L0000221 ,
L0000222 , L0000223 , L0000224 ,

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L0000294    , L0000295    , L0000296    ,

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L0000302    , L0000303    , L0000304    ,

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L0000318    , L0000319    , L0000320    ,
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                   PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                    SOURCE IDs
  --------   ---------                                    ----------
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000002     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000003     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000005   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000006   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                   PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000007     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000008   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000009   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000010   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000012   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000015   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000019   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000023   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000027     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000028   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000029     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000030     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                    PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000031     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

```
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000034     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000035     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000036   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000038     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000039     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000042     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000043   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000044     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000045     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000046     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000047   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000048   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000049   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000050     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000051     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000053     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000054   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000055   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000056   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                   PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000057     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000058   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000059   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000060   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000062     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                    PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000070     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000071     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000072     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
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14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000073   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000074   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000075   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000076   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000077     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000079     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000080     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000081     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000085     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000086   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000087   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000089     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000092     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000097   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000100   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000101   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000103     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000104   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000105   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000106   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000107     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000108   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000109   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000110   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000112     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000117 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000118 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000119   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000120     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000122 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000123   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000124 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000125 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000126 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000127     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000128 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000129     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                 PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000130     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000131     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000133 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000135     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000136   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000137   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000139     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000140 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000141 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000142     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000143 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000144 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000145 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000146     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000147   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000149 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000150     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000151   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000152     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000153     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000154   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000155   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000156   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000157     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000158   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000159   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000160   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000162     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000163 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000164 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000166   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000167 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000168 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000169     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***        16:36:53

                                    PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000170     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***        16:36:53

                                    PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000171 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000172 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000173   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000174 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000175 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000176 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000177   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000178   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000179     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000180     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000181     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000182 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000183 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000184 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 203
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000185     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000186   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000187   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 206
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000188     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000189     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000190 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000191 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000192     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000193   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000194 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000195 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 214
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000196     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000197   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000198 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000199 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000200     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000201   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000202     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 221
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000203     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000204 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000205   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000206   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000207     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000208   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000209   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000210   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000211 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000212     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000214 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000215 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 234
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000216     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000217 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000218 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000219   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 238
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000220     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 239
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000221 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000222 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000223   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000224 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000225 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000226 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000227   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000228 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000229     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 248
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000230     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 249
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000231     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000232 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000233 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000234 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                    PAGE 253
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000235     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000236   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000237   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 256
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000238     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000239     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000240 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000241 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 260
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000242     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000243 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000244 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000245 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000246     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000247   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000248     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000249     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000250   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000251   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000252     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 271
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000253     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000254   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000255   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000256   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 275
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000257     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000258   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000259   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000260   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000261 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 280
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000262     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000263 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000264 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000265 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000266   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000267 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000268 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000269   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53

                                   PAGE 288
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000270     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53

                                   PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000271 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000272 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01						

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000273   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000274 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

SOURCE ID = L0000275 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000276 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000277   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000278   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000279     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 298
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000280     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
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```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 299
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000281     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000282 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000283 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000284 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                    PAGE 303
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000285     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000286   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000287   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000288 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000289     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000290 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000291 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 310
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000292     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000293 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000294 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000295 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 314
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000296     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000297   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000298 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000299 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 318
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000300     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000301   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000302     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 321
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000303     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000304 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00						

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000305   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000306   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       16:36:53

                                  PAGE 325
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000307     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000308   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000309 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000310 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000311 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 330
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000312     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000313 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000314 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000315   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000316   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000317 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000318 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000319   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 338
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000320     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                             ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                            ***       16:36:53

                                    PAGE 339
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000321 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000322 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000323   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 342
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000324     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 343
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000325   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                       *** GRIDDED RECEPTOR NETWORK SUMMARY ***

                                     *** NETWORK ID: BKGND   ; NETWORK TYPE: GRIDCART
***

                                         *** X-COORDINATES OF GRID ***
                                                  (METERS)

       259429.5, 259488.2, 259546.8, 259605.4, 259664.1, 259722.7, 259781.4,
259840.0, 259898.6, 259957.3,
       260015.9, 260074.6, 260133.2, 260191.8, 260250.5, 260309.1, 260367.8,
260426.4, 260485.0, 260543.7,
       260602.3,

*** Y-COORDINATES OF GRID ***
(METERS)

4021822.7, 4021866.3, 4021909.8, 4021953.3, 4021996.8, 4022040.3, 4022083.9,
4022127.4, 4022170.9, 4022214.4,
4022257.9, 4022301.5, 4022345.0, 4022388.5, 4022432.0, 4022475.5, 4022519.1,
4022562.6, 4022606.1, 4022649.6,
4022693.1,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)														
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64						
4022693.14	67.50	67.50	67.50	67.40	67.60	67.40	67.80	68.20	67.60						
4022649.62	67.40	67.80	67.40	67.40	67.70	67.30	67.80	68.10	67.70						
4022606.10	67.40	67.50	67.40	67.30	67.60	67.40	67.70	67.90	68.00						
4022562.58	67.40	67.40	67.40	67.70	67.90	68.10	68.50	68.70	68.50						
4022519.06	67.60	68.00	68.20	68.40	68.40	68.40	68.10	67.90	67.60						
4022475.54	68.00	67.80	67.70	67.50	67.20	67.20	67.30	68.20	69.60						
4022432.02	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.90						
4022388.50	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.20						
4022344.98	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.30	67.30						
4022301.46	67.50	67.50	67.50	67.50	67.30	67.30	67.30	67.30	67.30						
4022257.94	67.30	67.30	67.30	67.30	67.40	67.30	67.30	67.30	67.40						
4022214.42	67.30	67.30	67.30	67.20	67.50										

```
  4022432.02 |         68.90        70.20        70.20        67.80        67.80
   67.90        67.90        67.90        67.90
  4022388.50 |         67.20        68.50        69.20        67.70        67.80
   67.80        67.80        67.80        68.00
  4022344.98 |         67.20        68.20        68.50        67.60        67.60
   67.80        67.90        67.70        67.70
  4022301.46 |         67.30        67.90        68.00        67.60        67.60
   67.70        67.80        68.00        67.60
  4022257.94 |         67.50        67.80        67.80        67.70        67.70
   67.60        67.80        67.80        67.80
  4022214.42 |         67.40        67.60        67.60        67.90        68.10
   67.60        67.70        67.80        67.60
  4022170.90 |         67.40        67.60        67.50        68.00        68.20
   67.70        67.60        67.80        67.80
  4022127.38 |         67.70        67.60        67.60        68.10        68.30
   67.70        67.80        67.60        67.80
  4022083.86 |         67.50        67.60        68.00        68.20        68.30
   67.60        67.60        67.60        67.40
  4022040.34 |         67.40        67.60        67.80        67.90        68.00
   67.70        67.60        67.60        67.60
  4021996.82 |         67.40        67.70        67.80        67.90        67.70
   67.80        67.70        67.80        67.80
  4021953.30 |         67.40        67.70        68.00        68.00        67.50
   67.60        67.70        67.70        67.70
  4021909.78 |         67.50        67.90        68.00        67.90        67.40
   67.60        68.10        68.00        67.80
  4021866.26 |         67.40        67.80        68.00        67.90        67.30
   67.50        68.00        67.90        67.70
  4021822.74 |         67.50        68.00        68.00        67.80        67.20
   67.30        67.60        67.70        67.70
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***         07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 347
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                  * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                                    X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |         68.10        69.00        69.20
  4022649.62 |         68.80        68.80        68.70
```

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64	
4022693.14	67.50	67.50	67.50	67.40	67.60	67.40	67.80	68.20	67.60	
4022649.62	67.40	67.80	67.40	67.40	67.70	67.30	67.80	68.10	67.70	
4022606.10	67.40	67.50	67.40	67.30	67.60	67.40	67.70	67.90	68.00	
4022562.58	67.40	67.40	67.40	67.70	67.90	68.10	68.50	68.70	68.50	
4022519.06	67.60	68.00	68.20	68.40	68.40	68.40	68.10	67.90	67.60	
4022475.54	68.00	67.80	67.70	67.50	67.20	67.20	67.30	68.20	69.60	
4022432.02	67.70	68.00	68.00	67.80	67.70	67.60	67.70	68.00	68.00	
4022388.50	67.80	68.00	67.90	67.80	67.80	67.80	67.80	67.90	67.90	
4022344.98	68.00	67.90	68.10	68.00	68.00	68.00	67.90	67.80	67.80	
4022301.46	67.80	68.00	67.90	67.90	68.00	68.00	67.90	67.80	67.80	
4022257.94	67.60	67.90	68.10	68.00	68.00	68.00	67.90	67.80	67.80	
4022214.42	67.90	67.80	68.20	68.00	68.00	68.00	67.90	67.80	67.80	
4022170.90	67.90	67.90	68.10	68.00	68.00	68.00	67.90	67.80	67.80	
4022127.38	67.70	68.00	67.90	67.80	67.80	67.80	67.80	67.80	67.80	
4022083.86	67.70	67.80	67.80	67.80	67.80	67.80	67.80	67.80	67.80	
4022040.34	67.70	67.70	67.70	67.80	67.80	67.80	67.80	67.80	67.80	
4021996.82	68.00	67.80	67.90	67.90	67.90	67.90	67.80	67.80	67.80	
4021953.30	67.90	67.60	68.00	68.00	68.00	68.00	67.90	67.80	67.80	
4021909.78	67.50	68.20	68.30	68.20	68.10	68.00	67.90	67.80	67.80	
4021866.26	67.30	67.80	67.70	67.70	67.70	67.70	67.80	67.80	67.80	
4021822.74	67.10	66.80	67.10	67.40	67.60	67.70	67.80	67.80	67.80	

```
  4022432.02 |         67.60        67.60        67.50        67.50        67.20
   67.20        67.20        67.20        67.90
  4022388.50 |         67.60        67.60        67.50        67.50        67.20
   67.20        67.20        67.20        67.20
  4022344.98 |         67.60        67.60        67.50        67.50        67.20
   67.20        67.20        67.30        67.30
  4022301.46 |         67.50        67.50        67.50        67.50        67.30
   67.30        67.30        67.30        67.30
  4022257.94 |         67.30        67.30        67.30        67.30        67.40
   67.30        67.30        67.30        67.40
  4022214.42 |         67.30        67.30        67.30        67.20        67.50
   67.50        67.20        67.30        67.40
  4022170.90 |         67.30        67.30        67.30        67.30        67.30
   67.20        67.20        67.30        67.40
  4022127.38 |         67.20        67.20        67.30        67.30        67.20
   67.20        67.20        67.30        67.40
  4022083.86 |         67.10        67.30        67.30        67.30        66.50
   67.10        67.20        67.30        67.30
  4022040.34 |         67.00        67.10        67.20        67.30        67.00
   67.00        67.30        67.30        67.40
  4021996.82 |         66.90        66.90        67.00        67.20        67.40
   67.40        67.40        67.20        67.40
  4021953.30 |         67.00        66.90        67.10        67.40        67.40
   67.50        67.40        67.20        67.50
  4021909.78 |         66.90        66.90        66.90        67.00        67.20
   67.30        67.40        67.20        67.30
  4021866.26 |         66.90        66.90        67.00        67.00        67.10
   67.40        67.40        67.20        67.20
  4021822.74 |         66.90        66.90        67.10        67.00        67.10
   67.50        67.40        67.30        67.30
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 349
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                 * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |         67.50        73.20        71.70        69.00        67.70
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 67.90        68.50        68.40        68.50
4022649.62 |         67.90        71.30        72.20        67.50        68.00
 68.40        68.80        68.90        68.80
4022606.10 |         68.60        72.60        69.70        68.10        68.50
 68.40        68.20        68.00        67.90
4022562.58 |         68.00        74.50        72.60        69.00        67.90
 67.80        67.80        67.90        67.90
4022519.06 |         71.80        74.50        73.30        68.30        67.80
 67.80        67.80        67.90        67.90
4022475.54 |         71.80        72.00        74.10        67.70        67.80
 67.80        67.80        67.80        67.90
4022432.02 |         68.90        72.50        71.80        67.80        67.80
 67.90        67.90        67.90        67.90
4022388.50 |         67.20        71.40        69.20        67.70        67.80
 67.80        67.80        67.80        68.00
4022344.98 |         67.20        68.20        68.50        67.60        67.60
 67.80        67.90        67.70        67.70
4022301.46 |         67.30        67.90        68.00        67.60        67.60
 67.70        67.80        68.00        67.60
4022257.94 |         67.50        67.80        67.80        67.70        67.70
 67.60        67.80        67.80        67.80
4022214.42 |         67.40        67.60        67.60        67.90        68.10
 67.60        67.70        67.80        67.60
4022170.90 |         67.40        67.60        67.50        68.00        68.20
 67.70        67.60        67.80        67.80
4022127.38 |         67.70        67.60        67.60        68.10        68.30
 67.70        67.80        67.60        67.80
4022083.86 |         67.50        67.60        68.00        68.20        68.30
 67.60        67.60        67.60        67.40
4022040.34 |         67.40        67.60        67.80        67.90        68.00
 67.70        67.60        67.60        67.60
4021996.82 |         67.40        67.70        67.80        67.90        67.70
 67.80        67.70        67.80        67.80
4021953.30 |         67.40        67.70        68.00        68.00        67.50
 67.60        67.70        67.70        67.70
4021909.78 |         67.50        67.90        68.00        67.90        67.40
 67.60        68.10        68.00        67.80
4021866.26 |         67.40        67.80        68.00        67.90        67.30
 67.50        68.00        67.90        67.70
4021822.74 |         67.50        68.00        68.00        67.80        67.20
 67.30        67.60        67.70        67.70
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:36:53

                                    PAGE 350
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
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***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	68.10	69.00	69.20
4022649.62	68.80	68.80	68.70
4022606.10	68.00	68.10	68.30
4022562.58	67.80	68.30	68.40
4022519.06	67.80	68.10	68.30
4022475.54	67.70	67.90	68.00
4022432.02	67.70	68.00	68.00
4022388.50	67.80	68.00	67.90
4022344.98	68.00	67.90	68.10
4022301.46	67.80	68.00	67.90
4022257.94	67.60	67.90	68.10
4022214.42	67.90	67.80	68.20
4022170.90	67.90	67.90	68.10
4022127.38	67.70	68.00	67.90
4022083.86	67.70	67.80	67.80
4022040.34	67.70	67.70	67.70
4021996.82	68.00	67.80	67.90
4021953.30	67.90	67.60	68.00
4021909.78	67.50	68.20	68.30
4021866.26	67.30	67.80	67.70
4021822.74	67.10	66.80	67.10

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(259632.9, 4022073.5, 67.0, 67.0, 0.0); (259632.9, 4022093.5, 67.2, 67.2, 0.0);
(259632.9, 4022113.5, 67.2, 67.2, 0.0); (259632.9, 4022133.5, 67.2, 67.2, 0.0);
(259632.9, 4022153.5, 67.2, 67.2, 0.0); (259632.9, 4022173.5, 67.2, 67.2, 0.0);
(259632.9, 4022193.5, 67.3, 67.3, 0.0); (259632.9, 4022213.5, 67.4, 67.4, 0.0);

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     ( 259632.9, 4022233.5,      67.4,      67.4,       0.0);         ( 259652.9,
4022073.5,      66.4,      66.4,       0.0);
     ( 259652.9, 4022093.5,      66.8,      66.8,       0.0);         ( 259652.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259652.9, 4022133.5,      67.2,      67.2,       0.0);         ( 259652.9,
4022153.5,      67.2,      67.2,       0.0);
     ( 259652.9, 4022173.5,      67.3,      67.3,       0.0);         ( 259652.9,
4022193.5,      67.4,      67.4,       0.0);
     ( 259652.9, 4022213.5,      67.5,      67.5,       0.0);         ( 259652.9,
4022233.5,      67.6,      67.6,       0.0);
     ( 259672.9, 4022073.5,      66.3,      66.3,       0.0);         ( 259672.9,
4022093.5,      66.8,      66.8,       0.0);
     ( 259672.9, 4022113.5,      67.2,      67.2,       0.0);         ( 259672.9,
4022133.5,      67.3,      67.3,       0.0);
     ( 259672.9, 4022153.5,      67.3,      67.3,       0.0);         ( 259672.9,
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     ( 259672.9, 4022193.5,      67.4,      67.4,       0.0);         ( 259672.9,
4022213.5,      67.5,      67.5,       0.0);
     ( 259672.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259692.9,
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     ( 259692.9, 4022093.5,      67.0,      67.0,       0.0);         ( 259692.9,
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     ( 259692.9, 4022133.5,      67.3,      67.3,       0.0);         ( 259692.9,
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     ( 259692.9, 4022173.5,      67.4,      67.4,       0.0);         ( 259692.9,
4022193.5,      67.4,      67.4,       0.0);
     ( 259692.9, 4022213.5,      67.5,      67.5,       0.0);         ( 259692.9,
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     ( 259712.9, 4022073.5,      67.1,      67.1,       0.0);         ( 259712.9,
4022093.5,      67.1,      67.1,       0.0);
     ( 259712.9, 4022113.5,      67.2,      67.2,       0.0);         ( 259712.9,
4022133.5,      67.2,      67.2,       0.0);
     ( 259712.9, 4022153.5,      67.3,      67.3,       0.0);         ( 259712.9,
4022173.5,      67.3,      67.3,       0.0);
     ( 259712.9, 4022193.5,      67.3,      67.3,       0.0);         ( 259712.9,
4022213.5,      67.5,      67.5,       0.0);
     ( 259712.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259732.9,
4022073.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022093.5,      67.2,      67.2,       0.0);         ( 259732.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259732.9, 4022133.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022153.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022173.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022193.5,      67.3,      67.3,       0.0);
     ( 259732.9, 4022213.5,      67.4,      67.4,       0.0);         ( 259732.9,
4022233.5,      67.5,      67.5,       0.0);
     ( 259752.9, 4022073.5,      67.2,      67.2,       0.0);         ( 259752.9,
4022093.5,      67.2,      67.2,       0.0);
     ( 259772.9, 4022073.5,      67.2,      67.2,       0.0);         ( 259772.9,
4022093.5,      67.2,      67.2,       0.0);
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     ( 259792.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259792.9,
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     ( 259812.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259812.9,
4022093.5,      67.3,      67.3,       0.0);
     ( 259832.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259832.9,
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     ( 259920.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259920.6,
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     ( 259920.6, 4022165.0,      67.4,      67.4,       0.0);         ( 259940.6,
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     ( 259940.6, 4022125.0,      67.7,      67.7,       0.0);         ( 259940.6,
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     ( 259940.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259960.6,
4022105.0,      67.6,      67.6,       0.0);
     ( 259960.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259960.6,
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     ( 259960.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259980.6,
4022105.0,      67.5,      67.5,       0.0);
     ( 259980.6, 4022125.0,      67.5,      67.5,       0.0);         ( 259980.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 259980.6, 4022165.0,      67.4,      67.4,       0.0);         ( 260000.6,
4022105.0,      67.4,      67.4,       0.0);
     ( 260000.6, 4022125.0,      67.4,      67.4,       0.0);         ( 260000.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 260000.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259550.3,
4021844.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4021864.0,      67.0,      67.0,       0.0);         ( 259550.3,
4021884.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4021904.0,      66.9,      66.9,       0.0);         ( 259550.3,
4021924.0,      66.9,      66.9,       0.0);
     ( 259550.3, 4021944.0,      67.1,      67.1,       0.0);         ( 259550.3,
4021964.0,      67.1,      67.1,       0.0);
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                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)

     ( 259550.3, 4021984.0,      66.9,      66.9,       0.0);         ( 259550.3,
4022004.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4022024.0,      67.1,      67.1,       0.0);         ( 259570.3,
4021844.0,      66.7,      66.7,       0.0);
     ( 259570.3, 4021864.0,      66.7,      66.7,       0.0);         ( 259570.3,
4021884.0,      66.7,      66.7,       0.0);
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     ( 259570.3, 4021944.0,      67.1,      67.1,       0.0);         ( 259570.3,
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     ( 259570.3, 4021984.0,      67.0,      67.0,       0.0);         ( 259570.3,
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     ( 259570.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259590.3,
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     ( 259590.3, 4021864.0,      66.8,      66.8,       0.0);         ( 259590.3,
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     ( 259590.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259590.3,
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     ( 259590.3, 4021984.0,      67.1,      67.1,       0.0);         ( 259590.3,
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     ( 259590.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259610.3,
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     ( 259610.3, 4021864.0,      67.0,      67.0,       0.0);         ( 259610.3,
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     ( 259610.3, 4021904.0,      67.0,      67.0,       0.0);         ( 259610.3,
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     ( 259610.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259610.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259610.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259610.3,
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     ( 259610.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259630.3,
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     ( 259630.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259630.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259630.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259630.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259630.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259630.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259630.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259630.3,
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     ( 259630.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259650.3,
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     ( 259650.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259650.3,
4021884.0,      67.1,      67.1,       0.0);
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     ( 259650.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259650.3,
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     ( 259650.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259650.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259650.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259670.3,
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     ( 259670.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021884.0,      67.2,      67.2,       0.0);
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     ( 259670.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259670.3,
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     ( 259670.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259670.3,
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     ( 259670.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259690.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259690.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259690.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259710.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259710.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259710.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259710.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259710.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259710.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259710.3,
4021964.0,      67.5,      67.5,       0.0);
     ( 259710.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259710.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259710.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259730.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259730.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259730.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259730.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259730.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259730.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259730.3,
4021964.0,      67.5,      67.5,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:36:53

                                    PAGE 353
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 259730.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259730.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259730.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259750.3,
4021844.0,      67.4,      67.4,       0.0);
```

```
     ( 259750.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259750.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259750.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259750.3,
4021964.0,      67.5,      67.5,       0.0);
     ( 259750.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259750.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259770.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259770.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259770.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259770.3,
4021964.0,      67.5,      67.5,       0.0);
     ( 259770.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259770.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259790.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259790.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259790.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259790.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259810.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259830.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259830.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259830.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259830.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259830.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259850.3,
4021844.0,      67.2,      67.2,       0.0);
```

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     ( 259850.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021964.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259850.3,
4022004.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259870.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259870.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259870.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259870.3, 4021904.0,      67.1,      67.1,       0.0);         ( 259870.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259870.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259870.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259870.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259870.3,
4022004.0,      67.2,      67.2,       0.0);
     ( 259870.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259890.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259890.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259890.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259890.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259890.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259890.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259890.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259890.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259890.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259890.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259910.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259910.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259910.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259910.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259910.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259910.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259910.3,
4021964.0,      67.5,      67.5,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***       16:36:53

                                    PAGE 354
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 259910.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259910.3,
4022004.0,      67.3,      67.3,       0.0);
```

```
     ( 259910.3, 4022024.0,      67.4,      67.4,       0.0);         ( 259930.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259930.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259930.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259930.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259930.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259930.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259950.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259950.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259950.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259970.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259970.3, 4021864.0,      67.5,      67.5,       0.0);         ( 259970.3,
4021884.0,      67.5,      67.5,       0.0);
     ( 259970.3, 4021904.0,      67.6,      67.6,       0.0);         ( 259970.3,
4021924.0,      67.6,      67.6,       0.0);
     ( 259970.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259990.3,
4021844.0,      67.7,      67.7,       0.0);
     ( 259990.3, 4021864.0,      67.6,      67.6,       0.0);         ( 259990.3,
4021884.0,      67.6,      67.6,       0.0);
     ( 259990.3, 4021904.0,      67.8,      67.8,       0.0);         ( 259990.3,
4021924.0,      67.8,      67.8,       0.0);
     ( 259990.3, 4021944.0,      67.6,      67.6,       0.0);         ( 260122.8,
4022046.2,      68.0,      68.0,       0.0);
     ( 260142.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260142.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260142.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260142.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022166.2,      68.1,      68.1,       0.0);
     ( 260162.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260162.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260162.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260162.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260162.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260162.8,
4022166.2,      68.3,      68.3,       0.0);
     ( 260182.8, 4022066.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022126.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022166.2,      68.2,      68.2,       0.0);
     ( 260202.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260202.8,
4022086.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022106.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022126.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022166.2,      68.2,      68.2,       0.0);
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     ( 260095.4, 4022187.0,      67.5,      67.5,       0.0);         ( 260095.4,
4022207.0,      67.5,      67.5,       0.0);
     ( 260095.4, 4022227.0,      67.6,      67.6,       0.0);         ( 260095.4,
4022247.0,      67.6,      67.6,       0.0);
     ( 260095.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022187.0,      67.6,      67.6,       0.0);
     ( 260115.4, 4022207.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022227.0,      67.6,      67.6,       0.0);
     ( 260115.4, 4022247.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022267.0,      67.6,      67.6,       0.0);
     ( 260135.4, 4022187.0,      67.9,      67.9,       0.0);         ( 260135.4,
4022207.0,      67.9,      67.9,       0.0);
     ( 260135.4, 4022227.0,      67.8,      67.8,       0.0);         ( 260135.4,
4022247.0,      67.8,      67.8,       0.0);
     ( 260135.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260155.4,
4022187.0,      68.1,      68.1,       0.0);
     ( 260155.4, 4022207.0,      68.1,      68.1,       0.0);         ( 260155.4,
4022227.0,      68.0,      68.0,       0.0);
     ( 260155.4, 4022247.0,      67.9,      67.9,       0.0);         ( 260155.4,
4022267.0,      67.7,      67.7,       0.0);
     ( 260175.4, 4022187.0,      68.1,      68.1,       0.0);         ( 260175.4,
4022207.0,      68.1,      68.1,       0.0);
     ( 260175.4, 4022227.0,      68.0,      68.0,       0.0);         ( 260175.4,
4022247.0,      67.9,      67.9,       0.0);
     ( 260175.4, 4022267.0,      67.7,      67.7,       0.0);         ( 260195.4,
4022187.0,      68.1,      68.1,       0.0);
     ( 260195.4, 4022207.0,      68.1,      68.1,       0.0);         ( 260195.4,
4022227.0,      68.0,      68.0,       0.0);
     ( 260195.4, 4022247.0,      67.8,      67.8,       0.0);         ( 260195.4,
4022267.0,      67.7,      67.7,       0.0);
     ( 260063.4, 4022072.2,      67.9,      67.9,       0.0);         ( 260063.4,
4022092.2,      67.9,      67.9,       0.0);
     ( 260063.4, 4022112.2,      67.8,      67.8,       0.0);         ( 260083.4,
4022072.2,      68.0,      68.0,       0.0);
     ( 260083.4, 4022092.2,      68.0,      68.0,       0.0);         ( 260083.4,
4022112.2,      67.7,      67.7,       0.0);
     ( 260103.4, 4022072.2,      68.1,      68.1,       0.0);         ( 260103.4,
4022092.2,      68.1,      68.1,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 355
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                     *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)
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```
     ( 260103.4, 4022112.2,      67.9,      67.9,       0.0);         ( 260243.4,
4022062.8,      67.7,      67.7,       0.0);
     ( 260243.4, 4022082.8,      67.7,      67.7,       0.0);         ( 260243.4,
4022102.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022122.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022142.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022162.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022182.8,      67.6,      67.6,       0.0);
     ( 260243.4, 4022202.8,      67.6,      67.6,       0.0);         ( 260243.4,
4022222.8,      67.5,      67.5,       0.0);
     ( 260243.4, 4022242.8,      67.5,      67.5,       0.0);         ( 260243.4,
4022262.8,      67.5,      67.5,       0.0);
     ( 260243.4, 4022282.8,      67.6,      67.6,       0.0);         ( 260243.4,
4022302.8,      67.7,      67.7,       0.0);
     ( 260243.4, 4022322.8,      67.7,      67.7,       0.0);         ( 260243.4,
4022342.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022362.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022382.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022402.8,      67.9,      67.9,       0.0);         ( 260243.4,
4022422.8,      67.9,      67.9,       0.0);
     ( 260263.4, 4022362.8,      67.8,      67.8,       0.0);         ( 260263.4,
4022382.8,      67.8,      67.8,       0.0);
     ( 260263.4, 4022402.8,      67.8,      67.8,       0.0);         ( 260263.4,
4022422.8,      67.8,      67.8,       0.0);
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 356
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                      * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
                        LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL


                              SOURCE          - - RECEPTOR LOCATION - -
DISTANCE
                                ID            XR (METERS)   YR (METERS)
(METERS)
                             - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - -

                              L0000018            259840.0     4022257.9
-0.16
                              L0000023            259898.6     4022257.9
0.10
                              L0000024            259898.6     4022257.9
```

-3.15			
	L0000030	259957.3	4022257.9
-2.53			
	L0000031	259957.3	4022257.9
-0.53			
	L0000040	259957.3	4022257.9
-5.06			
	L0000041	259957.3	4022257.9
-1.00			
	L0000046	259898.6	4022257.9
-1.67			
	L0000047	259898.6	4022257.9
-4.66			
	L0000095	259898.6	4022301.5
-1.43			
	L0000101	259957.3	4022301.5
0.35			
	L0000102	259957.3	4022301.5
-1.17			
	L0000112	259957.3	4022301.5
-2.28			
	L0000118	259898.6	4022301.5
-0.90			
	L0000119	259898.6	4022301.5
-1.34			
	L0000160	259840.0	4022345.0
0.44			
	L0000161	259840.0	4022345.0
-1.09			
	L0000166	259898.6	4022345.0
-2.83			
	L0000167	259898.6	4022345.0
-5.21			
	L0000173	259957.3	4022345.0
-5.82			
	L0000174	259957.3	4022345.0
-0.95			
	L0000218	259957.3	4022388.5
-5.04			
	L0000219	259957.3	4022388.5
-3.27			
	L0000224	259898.6	4022388.5
-0.76			
	L0000225	259898.6	4022388.5
-7.70			
	L0000226	259898.6	4022388.5
0.86			
	L0000231	259840.0	4022388.5
-3.09			
	L0000249	259546.8	4022519.1

-0.54
L0000250 259546.8 4022519.1
-0.61
L0000255 259605.4 4022519.1
0.26
L0000256 259605.4 4022519.1
-6.78
L0000257 259605.4 4022519.1
0.26
L0000262 259664.1 4022519.1
-4.00
L0000263 259664.1 4022519.1
-4.05
L0000268 259722.7 4022519.1
0.54
L0000269 259722.7 4022519.1
-7.86
L0000270 259722.7 4022519.1
-0.43
L0000289 259898.6 4022475.5
-4.99
L0000290 259898.6 4022475.5
-1.33
L0000306 260015.9 4022432.0
-4.75

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000307	260015.9	4022432.0	0.19
L0000310	260015.9	4022388.5	-0.09

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54,   3.09,   5.14,   8.23,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: METDAT~1\HANFOR~1.SFC
Met Version: 21112
Profile file: METDAT~1\HANFOR~1.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 53119 Upper air station no.: 23230
Name: HANFORD Name: OAKLAND/WSO_AP
Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-10.1	0.132	-9.000	-9.000	-999.	115.	20.6	0.04	0.81	1.00	2.01	337.	10.0	278.8	2.0
18	01	01	1	02	-4.0	0.082	-9.000	-9.000	-999.	57.	12.5	0.03	0.81	1.00	1.31	69.	10.0	276.4	2.0
18	01	01	1	03	-4.1	0.082	-9.000	-9.000	-999.	56.	12.0	0.02	0.81	1.00	1.40	246.	10.0	275.4	2.0
18	01	01	1	04	-4.5	0.085	-9.000	-9.000	-999.	60.	12.4	0.02	0.81	1.00	1.47	266.	10.0	275.4	2.0
18	01	01	1	05	-7.2	0.111	-9.000	-9.000	-999.	88.	17.0	0.04	0.81	1.00	1.71	330.	10.0	275.9	2.0
18	01	01	1	06	-3.3	0.074	-9.000	-9.000	-999.	48.	11.1	0.02	0.81	1.00	1.23	241.	10.0	274.2	2.0
18	01	01	1	07	-5.4	0.093	-9.000	-9.000	-999.	68.	13.5	0.02	0.81	1.00	1.62	176.	10.0	274.9	2.0
18	01	01	1	08	-7.2	0.111	-9.000	-9.000	-999.	89.	17.2	0.03	0.81	0.64	1.77	114.	10.0	274.9	2.0
18	01	01	1	09	7.8	0.118	0.205	0.006	40.	97.	-19.1	0.02	0.81	0.35	1.60	153.	10.0	277.0	2.0
18	01	01	1	10	50.9	0.142	0.637	0.006	183.	128.	-5.1	0.02	0.81	0.26	1.64	201.	10.0	280.9	2.0

```
 18 01 01   1 11   82.6  0.123  1.024  0.016  471.  103.     -2.0  0.04   0.81
0.22    1.08   31.   10.0  284.9    2.0
 18 01 01   1 12   99.0  0.150  1.153  0.017  561.  139.     -3.1  0.03   0.81
0.21    1.50   62.   10.0  286.1    2.0
 18 01 01   1 13   99.9  0.149  1.209  0.019  640.  138.     -3.0  0.04   0.81
0.21    1.42  356.   10.0  287.5    2.0
 18 01 01   1 14   85.6  0.161  1.192  0.019  714.  156.     -4.4  0.02   0.81
0.22    1.93  293.   10.0  289.9    2.0
 18 01 01   1 15   55.9  0.189  1.041  0.019  728.  198.    -11.0  0.02   0.81
0.25    2.49  296.   10.0  290.4    2.0
 18 01 01   1 16   13.6  0.148  0.651  0.019  731.  136.    -21.3  0.02   0.81
0.34    1.98  328.   10.0  289.2    2.0
 18 01 01   1 17   -3.7  0.082 -9.000 -9.000 -999.   57.     13.4  0.04   0.81
0.61    1.26  340.   10.0  285.9    2.0
 18 01 01   1 18   -5.8  0.098 -9.000 -9.000 -999.   73.     14.4  0.02   0.81
1.00    1.67  230.   10.0  283.1    2.0
 18 01 01   1 19   -2.9  0.070 -9.000 -9.000 -999.   45.     11.0  0.02   0.81
1.00    1.13  202.   10.0  281.4    2.0
 18 01 01   1 20   -4.9  0.090 -9.000 -9.000 -999.   65.     13.7  0.03   0.81
1.00    1.45  110.   10.0  279.9    2.0
 18 01 01   1 21   -2.2  0.065 -9.000 -9.000 -999.   40.     11.6  0.03   0.81
1.00    0.89  107.   10.0  278.8    2.0
 18 01 01   1 22   -2.4  0.070 -9.000 -9.000 -999.   44.     12.8  0.06   0.81
1.00    0.87   15.   10.0  279.9    2.0
 18 01 01   1 23   -3.2  0.075 -9.000 -9.000 -999.   49.     11.8  0.03   0.81
1.00    1.16   85.   10.0  279.2    2.0
 18 01 01   1 24   -4.9  0.091 -9.000 -9.000 -999.   66.     14.1  0.04   0.81
1.00    1.40   53.   10.0  277.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1  337.    2.01   278.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 360
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
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, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259429.52    259488.16    259546.80    259605.44    259664.08
259722.72    259781.36    259840.00    259898.64
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       0.23950      0.27511      0.31857      0.37214      0.43876
 0.51649      0.58604      0.61105      0.58804
  4022649.62 |       0.25974      0.30332      0.35789      0.42674      0.51491
 0.62446      0.73509      0.79170      0.77155
  4022606.10 |       0.27872      0.33230      0.40107      0.49061      0.60923
 0.76588      0.94524      1.06489      1.05383
  4022562.58 |       0.29429      0.35891      0.44503      0.56195      0.72324
 0.94910      1.23934      1.48221      1.51869
  4022519.06 |       0.30501      0.37961      0.48321      0.63119      0.85085
 1.18650      1.70038      2.25584      2.43178
  4022475.54 |       0.31010      0.39380      0.51519      0.69876      0.99140
 1.49057      2.40240      3.75996      4.25058
  4022432.02 |       0.31126      0.39933      0.53246      0.74422      1.10589
 1.79467      3.38069      7.96308     10.73036
  4022388.50 |       0.30812      0.39729      0.53521      0.76299      1.17401
 2.02453      4.33576     17.26598     28.61886
  4022344.98 |       0.30187      0.38939      0.52568      0.75417      1.17879
 2.09918      4.73409     17.66455     38.34814
  4022301.46 |       0.29282      0.37614      0.50503      0.71949      1.11542
 1.97463      4.49908     20.51201     41.12836
  4022257.94 |       0.28077      0.35729      0.47360      0.66241      0.99822
 1.69017      3.62196     16.82330     39.78560
  4022214.42 |       0.26560      0.33355      0.43405      0.59059      0.85184
 1.33836      2.43243      5.82943     15.71201
  4022170.90 |       0.24740      0.30552      0.38814      0.50971      0.69724
 1.00581      1.55675      2.63241      5.22810
  4022127.38 |       0.22661      0.27434      0.33906      0.42894      0.55765
 0.74920      1.04661      1.52075      2.47283
  4022083.86 |       0.20486      0.24292      0.29220      0.35712      0.44528
 0.56885      0.74502      0.99457      1.43594
  4022040.34 |       0.18388      0.21351      0.25027      0.29711      0.35933
 0.44384      0.55598      0.70199      0.93912
  4021996.82 |       0.16417      0.18672      0.21416      0.24914      0.29524
 0.35553      0.43046      0.52192      0.66256
```

 4021953.30 | 0.14585   0.16305   0.18431   0.21177   0.24724
0.29138   0.34294   0.40310   0.49262
 4021909.78 | 0.12934   0.14301   0.16040   0.18275   0.21046
0.24323   0.27957   0.32072   0.38084
 4021866.26 | 0.11509   0.12660   0.14136   0.15976   0.18154
0.20615   0.23233   0.26137   0.30346
 4021822.74 | 0.10320   0.11330   0.12601   0.14114   0.15831
0.17703   0.19626   0.21728   0.24772

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                    L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                    L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                    L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                  *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 259957.28   260015.92   260074.56   260133.20   260191.84
260250.48   260309.12   260367.76   260426.40
 -
- -

 4022693.14 | 0.52495   0.43869   0.35636   0.29783   0.24647
0.20275   0.16808   0.14205   0.12090
 4022649.62 | 0.67922   0.54190   0.43450   0.35650   0.28263
0.22663   0.18461   0.15282   0.12796
 4022606.10 | 0.90831   0.72255   0.54685   0.42428   0.32472
0.25481   0.20382   0.16565   0.13654
 4022562.58 | 1.31156   0.97533   0.68341   0.50573   0.37970
0.28825   0.22432   0.17861   0.14569
 4022519.06 | 2.05918   1.38613   0.84283   0.62284   0.44202
0.32449   0.24713   0.19422   0.15750
 4022475.54 | 3.47994   2.02509   1.16310   0.77513   0.51775

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	0.10383	0.08890	0.07713
4022649.62	0.10807	0.09238	0.08018
4022606.10	0.11424	0.09739	0.08457
4022562.58	0.12175	0.10359	0.09021
4022519.06	0.13135	0.11176	0.09695
4022475.54	0.14265	0.12070	0.10394
4022432.02	0.15445	0.12919	0.11021
4022388.50	0.16601	0.13727	0.11606
4022344.98	0.17733	0.14543	0.12165
4022301.46	0.19056	0.15433	0.12837
4022257.94	0.20606	0.16524	0.13594
4022214.42	0.22357	0.17783	0.14487
4022170.90	0.24305	0.19151	0.15509
4022127.38	0.26390	0.20601	0.16616
4022083.86	0.28468	0.22129	0.17735
4022040.34	0.30495	0.23634	0.18852
4021996.82	0.32319	0.25111	0.19965
4021953.30	0.33886	0.26505	0.21079
4021909.78	0.34901	0.27583	0.22096
4021866.26	0.35202	0.28428	0.23059
4021822.74	0.34794	0.28744	0.23678

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	0.37634	259632.90	4022093.46	0.41285
259632.90	4022113.46	0.45309	259632.90	4022133.46	0.49694
259632.90	4022153.46	0.54398	259632.90	4022173.46	0.59331
259632.90	4022193.46	0.64349	259632.90	4022213.46	0.69285
259632.90	4022233.46	0.74010	259652.90	4022073.46	0.40505
259652.90	4022093.46	0.44687	259652.90	4022113.46	0.49365
259652.90	4022133.46	0.54550	259652.90	4022153.46	0.60201
259652.90	4022173.46	0.66231	259652.90	4022193.46	0.72474
259652.90	4022213.46	0.78708	259652.90	4022233.46	0.84740
259672.90	4022073.46	0.43705	259672.90	4022093.46	0.48503
259672.90	4022113.46	0.53956	259672.90	4022133.46	0.60107
259672.90	4022153.46	0.66940	259672.90	4022173.46	0.74376
259672.90	4022193.46	0.82228	259672.90	4022213.46	0.90209
259672.90	4022233.46	0.98032	259692.90	4022073.46	0.47289
259692.90	4022093.46	0.52805	259692.90	4022113.46	0.59182
259692.90	4022133.46	0.66507	259692.90	4022153.46	0.74822
259692.90	4022173.46	0.84076	259692.90	4022193.46	0.94077
259692.90	4022213.46	1.04459	259692.90	4022233.46	1.14800
259712.90	4022073.46	0.51312	259712.90	4022093.46	0.57678
259712.90	4022113.46	0.65161	259712.90		

4022133.46   0.73927
         259712.90   4022153.46   0.84109   259712.90
4022173.46   0.95740
         259712.90   4022193.46   1.08664   259712.90
4022213.46   1.22438
         259712.90   4022233.46   1.36431   259732.90
4022073.46   0.55847
         259732.90   4022093.46   0.63221   259732.90
4022113.46   0.72035
         259732.90   4022133.46   0.82583   259732.90
4022153.46   0.95143
         259732.90   4022173.46   1.09925   259732.90
4022193.46   1.26902
         259732.90   4022213.46   1.45622   259732.90
4022233.46   1.65143
         259752.90   4022073.46   0.60933   259752.90
4022093.46   0.69520
         259772.90   4022073.46   0.66613   259772.90
4022093.46   0.76656
         259792.90   4022073.46   0.72908   259792.90
4022093.46   0.84696
         259812.90   4022073.46   0.79894   259812.90
4022093.46   0.93755
         259832.90   4022073.46   0.87835   259832.90
4022093.46   1.04202
         259920.63   4022125.03   2.88963   259920.63
4022145.03   3.96520
         259920.63   4022165.03   5.68844   259940.63
4022105.03   2.53371
         259940.63   4022125.03   3.35448   259940.63
4022145.03   4.57989
         259940.63   4022165.03   6.47432   259960.63
4022105.03   2.87410
         259960.63   4022125.03   3.77684   259960.63
4022145.03   5.08455
         259960.63   4022165.03   7.03803   259980.63
4022105.03   3.17565
         259980.63   4022125.03   4.11822   259980.63
4022145.03   5.44316
         259980.63   4022165.03   7.36286   260000.63
4022105.03   3.41077

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         260000.63   4022125.03   4.35032   260000.63
4022145.03   5.63216
         260000.63   4022165.03   7.43279   259550.34
4021844.01   0.13404
         259550.34   4021864.01   0.14149   259550.34
4021884.01   0.14970
         259550.34   4021904.01   0.15880   259550.34
4021924.01   0.16890
         259550.34   4021944.01   0.18014   259550.34
4021964.01   0.19262
         259550.34   4021984.01   0.20645   259550.34
4022004.01   0.22165
         259550.34   4022024.01   0.23823   259570.34
4021844.01   0.13947
         259570.34   4021864.01   0.14738   259570.34
4021884.01   0.15610
         259570.34   4021904.01   0.16576   259570.34
4021924.01   0.17649
         259570.34   4021944.01   0.18845   259570.34
4021964.01   0.20181
         259570.34   4021984.01   0.21671   259570.34
4022004.01   0.23324
         259570.34   4022024.01   0.25147   259590.34
4021844.01   0.14522
         259590.34   4021864.01   0.15368   259590.34
4021884.01   0.16300
         259590.34   4021904.01   0.17330   259590.34
4021924.01   0.18476
         259590.34   4021944.01   0.19754   259590.34
4021964.01   0.21187

```
         259590.34    4021984.01        0.22794                    259590.34
4022004.01        0.24590
         259590.34    4022024.01        0.26592                    259610.34
4021844.01        0.15129
         259610.34    4021864.01        0.16038                    259610.34
4021884.01        0.17038
         259610.34    4021904.01        0.18144                    259610.34
4021924.01        0.19374
         259610.34    4021944.01        0.20748                    259610.34
4021964.01        0.22290
         259610.34    4021984.01        0.24026                    259610.34
4022004.01        0.25980
         259610.34    4022024.01        0.28177                    259630.34
4021844.01        0.15766
         259630.34    4021864.01        0.16745                    259630.34
4021884.01        0.17824
         259630.34    4021904.01        0.19017                    259630.34
4021924.01        0.20345
         259630.34    4021944.01        0.21830                    259630.34
4021964.01        0.23498
         259630.34    4021984.01        0.25381                    259630.34
4022004.01        0.27511
         259630.34    4022024.01        0.29924                    259650.34
4021844.01        0.16432
         259650.34    4021864.01        0.17489                    259650.34
4021884.01        0.18656
         259650.34    4021904.01        0.19949                    259650.34
4021924.01        0.21389
         259650.34    4021944.01        0.23000                    259650.34
4021964.01        0.24815
         259650.34    4021984.01        0.26867                    259650.34
4022004.01        0.29198
         259650.34    4022024.01        0.31857                    259670.34
4021844.01        0.17125
         259670.34    4021864.01        0.18268                    259670.34
4021884.01        0.19533
         259670.34    4021904.01        0.20938                    259670.34
4021924.01        0.22506
         259670.34    4021944.01        0.24264                    259670.34
4021964.01        0.26246
         259670.34    4021984.01        0.28494                    259670.34
4022004.01        0.31057
         259670.34    4022024.01        0.33995                    259690.34
4021844.01        0.17841
         259690.34    4021864.01        0.19078                    259690.34
4021884.01        0.20452
         259690.34    4021904.01        0.21982                    259690.34
4021924.01        0.23694
         259690.34    4021944.01        0.25618                    259690.34
4021964.01        0.27794
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259690.34   4021984.01   0.30269   259690.34
4022004.01   0.33100
         259690.34   4022024.01   0.36359   259710.34
4021844.01   0.18578
         259710.34   4021864.01   0.19917   259710.34
4021884.01   0.21408
         259710.34   4021904.01   0.23076   259710.34
4021924.01   0.24949
         259710.34   4021944.01   0.27061   259710.34
4021964.01   0.29458
         259710.34   4021984.01   0.32193   259710.34
4022004.01   0.35334
         259710.34   4022024.01   0.38969   259730.34
4021844.01   0.19329
         259730.34   4021864.01   0.20776   259730.34
4021884.01   0.22396
         259730.34   4021904.01   0.24214   259730.34
4021924.01   0.26264
         259730.34   4021944.01   0.28587   259730.34
4021964.01   0.31233
         259730.34   4021984.01   0.34266   259730.34

4022004.01 0.37766
259730.34 4022024.01 0.41838 259750.34
4021844.01 0.20087
259750.34 4021864.01 0.21649 259750.34
4021884.01 0.23404
259750.34 4021904.01 0.25384 259750.34
4021924.01 0.27628
259750.34 4021944.01 0.30182 259750.34
4021964.01 0.33108
259750.34 4021984.01 0.36478 259750.34
4022004.01 0.40389
259750.34 4022024.01 0.44965 259770.34
4021844.01 0.20849
259770.34 4021864.01 0.22531 259770.34
4021884.01 0.24429
259770.34 4021904.01 0.26581 259770.34
4021924.01 0.29031
259770.34 4021944.01 0.31837 259770.34
4021964.01 0.35068
259770.34 4021984.01 0.38815 259770.34
4022004.01 0.43191
259770.34 4022024.01 0.48348 259790.34
4021844.01 0.21621
259790.34 4021864.01 0.23427 259790.34
4021884.01 0.25474
259790.34 4021904.01 0.27805 259790.34
4021924.01 0.30475
259790.34 4021944.01 0.33548 259790.34
4021964.01 0.37111
259790.34 4021984.01 0.41270 259790.34
4022004.01 0.46164
259790.34 4022024.01 0.51978 259810.34
4021844.01 0.22421
259810.34 4021864.01 0.24357 259810.34
4021884.01 0.26561
259810.34 4021904.01 0.29082 259810.34
4021924.01 0.31982
259810.34 4021944.01 0.35342 259810.34
4021964.01 0.39262
259810.34 4021984.01 0.43870 259810.34
4022004.01 0.49336
259810.34 4022024.01 0.55884 259830.34
4021844.01 0.23280
259830.34 4021864.01 0.25356 259830.34
4021884.01 0.27729
259830.34 4021904.01 0.30456 259830.34
4021924.01 0.33609
259830.34 4021944.01 0.37282 259830.34
4021964.01 0.41596
259830.34 4021984.01 0.46703 259830.34

4022004.01   0.52809
         259830.34   4022024.01   0.60191   259850.34
4021844.01   0.24239
         259850.34   4021864.01   0.26472   259850.34
4021884.01   0.29036
         259850.34   4021904.01   0.31996   259850.34
4021924.01   0.35438
         259850.34   4021944.01   0.39471   259850.34
4021964.01   0.44238

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259850.34   4021984.01   0.49925   259850.34
4022004.01   0.56778
         259850.34   4022024.01   0.65148   259870.34
4021844.01   0.25350
         259870.34   4021864.01   0.27765   259870.34
4021884.01   0.30552
         259870.34   4021904.01   0.33785   259870.34
4021924.01   0.37565
         259870.34   4021944.01   0.42021   259870.34
4021964.01   0.47327
         259870.34   4021984.01   0.53711   259870.34
4022004.01   0.61488

```
         259870.34    4022024.01        0.71085                  259890.34
4021844.01        0.26663
         259890.34    4021864.01        0.29294                  259890.34
4021884.01        0.32345
         259890.34    4021904.01        0.35902                  259890.34
4021924.01        0.40087
         259890.34    4021944.01        0.45058                  259890.34
4021964.01        0.51026
         259890.34    4021984.01        0.58271                  259890.34
4022004.01        0.67191
         259890.34    4022024.01        0.78332                  259910.34
4021844.01        0.28226
         259910.34    4021864.01        0.31115                  259910.34
4021884.01        0.34481
         259910.34    4021904.01        0.38430                  259910.34
4021924.01        0.43108
         259910.34    4021944.01        0.48707                  259910.34
4021964.01        0.55482
         259910.34    4021984.01        0.63784                  259910.34
4022004.01        0.74110
         259910.34    4022024.01        0.87165                  259930.34
4021844.01        0.30076
         259930.34    4021864.01        0.33272                  259930.34
4021884.01        0.37016
         259930.34    4021904.01        0.41437                  259930.34
4021924.01        0.46709
         259930.34    4021944.01        0.53061                  259950.34
4021844.01        0.32237
         259950.34    4021864.01        0.35797                  259950.34
4021884.01        0.39988
         259950.34    4021904.01        0.44967                  259950.34
4021924.01        0.50940
         259950.34    4021944.01        0.58182                  259970.34
4021844.01        0.34714
         259970.34    4021864.01        0.38697                  259970.34
4021884.01        0.43408
         259970.34    4021904.01        0.49030                  259970.34
4021924.01        0.55806
         259970.34    4021944.01        0.64058                  259990.34
4021844.01        0.37500
         259990.34    4021864.01        0.41958                  259990.34
4021884.01        0.47250
         259990.34    4021904.01        0.53571                  259990.34
4021924.01        0.61227
         259990.34    4021944.01        0.70581                  260122.80
4022046.18        1.99851
         260142.80    4022066.18        2.05744                  260142.80
4022086.18        2.22939
         260142.80    4022106.18        2.38590                  260142.80
4022126.18        2.51493
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         260142.80    4022146.18        2.60583                      260142.80
4022166.18        2.65036
         260162.80    4022066.18        1.86658                      260162.80
4022086.18        1.98346
         260162.80    4022106.18        2.07890                      260162.80
4022126.18        2.14519
         260162.80    4022146.18        2.17799                      260162.80
4022166.18        2.17585
         260182.80    4022066.18        1.67330                      260182.80
4022086.18        1.74747
         260182.80    4022106.18        1.80096                      260182.80
4022126.18        1.82941
         260182.80    4022146.18        1.82894                      260182.80
4022166.18        1.80191
         260202.80    4022066.18        1.48947                      260202.80
4022086.18        1.52782
         260202.80    4022106.18        1.55013                      260202.80
4022126.18        1.55304
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 367
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         260202.80    4022146.18        1.53523                      260202.80
4022166.18        1.49937
         260095.45    4022187.01        4.49353                      260095.45
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4022207.01 4.60135
260095.45 4022227.01 4.57011 260095.45
4022247.01 4.41237
260095.45 4022267.01 4.15250 260115.45
4022187.01 3.57780
260115.45 4022207.01 3.57145 260115.45
4022227.01 3.47734
260115.45 4022247.01 3.30821 260115.45
4022267.01 3.08137
260135.45 4022187.01 2.86314 260135.45
4022207.01 2.80600
260135.45 4022227.01 2.69472 260135.45
4022247.01 2.53944
260135.45 4022267.01 2.35171 260155.45
4022187.01 2.30483
260155.45 4022207.01 2.22956 260155.45
4022227.01 2.12171
260155.45 4022247.01 1.98903 260155.45
4022267.01 1.83991
260175.45 4022187.01 1.87796 260175.45
4022207.01 1.79934
260175.45 4022227.01 1.70170 260175.45
4022247.01 1.59095
260175.45 4022267.01 1.47141 260195.45
4022187.01 1.54609
260195.45 4022207.01 1.47176 260195.45
4022227.01 1.38679
260195.45 4022247.01 1.29535 260195.45
4022267.01 1.19962
260063.43 4022072.23 2.63640 260063.43
4022092.23 3.12360
260063.43 4022112.23 3.70163 260083.43
4022072.23 2.58189
260083.43 4022092.23 2.99080 260083.43
4022112.23 3.45023
260103.43 4022072.23 2.46360 260103.43
4022092.23 2.78485
260103.43 4022112.23 3.12501 260243.42
4022062.81 1.15862
260243.42 4022082.81 1.16538 260243.42
4022102.81 1.15940
260243.42 4022122.81 1.14086 260243.42
4022142.81 1.11106
260243.42 4022162.81 1.07144 260243.42
4022182.81 1.02337
260243.42 4022202.81 0.96918 260243.42
4022222.81 0.91165
260243.42 4022242.81 0.85326 260243.42
4022262.81 0.79601
260243.42 4022282.81 0.74132 260243.42

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)									
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64	
4022693.14	0.58295	0.78595	1.00569	1.17450	1.26218	1.26476	1.20135	1.10567	0.99445	
4022649.62	0.68529	1.01528	1.43091	1.75251	1.91171	1.90229	1.76175	1.57500	1.39301	
4022606.10	0.79302	1.35128	2.27666	2.99659	3.34072	3.28513	2.89602	2.45311	2.10219	
4022562.58	0.87018	1.82041	4.63304	6.84810	7.94800	7.75145	6.03733	4.50133	3.58946	

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  4022519.06 |       0.86280      2.10169      8.74251     12.61987     18.95924
15.64906     24.14417     12.27134      7.70094
  4022475.54 |       0.76997      1.55765      4.93493     10.37550     10.57354
11.24033     15.65973     30.32279     21.61692
  4022432.02 |       0.62888      1.01008      1.84685      3.69264      4.74273
 5.28610      6.34077      8.70051     12.57777
  4022388.50 |       0.50313      0.71237      1.07020      1.78962      2.58208
 3.10191      3.63680      4.53692      6.04241
  4022344.98 |       0.40873      0.53898      0.73497      1.08256      1.57025
 2.00381      2.39810      2.93667      3.92040
  4022301.46 |       0.33883      0.42692      0.54967      0.74737      1.04450
 1.37075      1.68737      2.07901      2.79168
  4022257.94 |       0.28599      0.34890      0.43226      0.55759      0.74587
 0.97980      1.22882      1.52279      2.00344
  4022214.42 |       0.24499      0.29153      0.35101      0.43609      0.56099
 0.72562      0.91393      1.12876      1.42439
  4022170.90 |       0.21218      0.24737      0.29115      0.35147      0.43752
 0.55295      0.69058      0.84455      1.02808
  4022127.38 |       0.18520      0.21224      0.24518      0.28924      0.35021
 0.43156      0.53096      0.64253      0.76702
  4022083.86 |       0.16275      0.18385      0.20911      0.24198      0.28614
 0.34424      0.41640      0.49933      0.58961
  4022040.34 |       0.14401      0.16069      0.18030      0.20520      0.23783
 0.28026      0.33367      0.39634      0.46392
  4021996.82 |       0.12827      0.14154      0.15690      0.17603      0.20076
 0.23271      0.27300      0.32064      0.37227
  4021953.30 |       0.11490      0.12552      0.13768      0.15272      0.17203
 0.19673      0.22748      0.26391      0.30386
  4021909.78 |       0.10341      0.11201      0.12184      0.13396      0.14944
 0.16885      0.19255      0.22067      0.25190
  4021866.26 |       0.09353      0.10064      0.10878      0.11878      0.13134
 0.14675      0.16524      0.18717      0.21176
  4021822.74 |       0.08506      0.09106      0.09795      0.10629      0.11656
 0.12890      0.14353      0.16082      0.18031
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       16:36:53

                                    PAGE 369
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL     ***
                                    INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                   L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                   L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
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                L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       0.85119      0.67635      0.51794      0.40243      0.30914
 0.24204      0.19344      0.15779      0.13137
  4022649.62 |       1.18597      0.90507      0.67027      0.49268      0.36315
 0.27543      0.21476      0.17226      0.14179
  4022606.10 |       1.78404      1.33800      0.91088      0.61550      0.43007
 0.31429      0.23937      0.18890      0.15336
  4022562.58 |       3.00114      2.17781      1.28859      0.78483      0.51367
 0.36093      0.26797      0.20737      0.16572
  4022519.06 |       5.99043      4.45166      1.91337      1.02854      0.62184
 0.41754      0.30059      0.22749      0.17901
  4022475.54 |      23.52871     18.81483      3.41297      1.38611      0.76213
 0.48549      0.33809      0.25038      0.19419
  4022432.02 |      16.52075     25.15126      6.46826      1.94209      0.95262
 0.57169      0.38410      0.27796      0.21204
  4022388.50 |       9.01031     22.66873      8.95589      2.66854      1.20114
 0.68165      0.44189      0.31173      0.23317
  4022344.98 |       6.68895     20.96963      9.23124      3.24713      1.47089
 0.80812      0.50856      0.35062      0.25755
  4022301.46 |       5.10911     18.92923      8.54862      3.44520      1.68917
 0.93536      0.57893      0.39185      0.28372
  4022257.94 |       3.35532     11.97516      7.17063      3.29621      1.78945
 1.03942      0.64835      0.43499      0.31106
  4022214.42 |       1.96478      3.40176      4.66722      2.86572      1.75484
 1.09509      0.70600      0.47712      0.33948
  4022170.90 |       1.27681      1.69283      2.49275      2.23603      1.60147
 1.09027      0.73955      0.51213      0.36684
  4022127.38 |       0.90963      1.10315      1.47403      1.61656      1.36779
 1.02920      0.74263      0.53399      0.38973
  4022083.86 |       0.68384      0.79833      0.99267      1.15674      1.11280
 0.92663      0.71664      0.53927      0.40503
  4022040.34 |       0.53177      0.60981      0.72768      0.85136      0.88531
 0.80400      0.66678      0.52774      0.41038
  4021996.82 |       0.42369      0.48155      0.56128      0.64956      0.70296
 0.68190      0.60246      0.50173      0.40542
  4021953.30 |       0.34413      0.38930      0.44746      0.51187      0.56344
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	0.11141	0.09590	0.08370
4022649.62	0.11911	0.10180	0.08834
4022606.10	0.12739	0.10791	0.09302
4022562.58	0.13603	0.11428	0.09790
4022519.06	0.14540	0.12123	0.10321
4022475.54	0.15609	0.12902	0.10901
4022432.02	0.16821	0.13754	0.11516
4022388.50	0.18212	0.14706	0.12192
4022344.98	0.19826	0.15823	0.12992
4022301.46	0.21592	0.17073	0.13909
4022257.94	0.23427	0.18370	0.14871
4022214.42	0.25333	0.19699	0.15839
4022170.90	0.27300	0.21089	0.16837

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL   ***
                                   INCLUDING SOURCE(S):   L0000249   , L0000250
, L0000251   , L0000252   , L0000253   ,
                  L0000254   , L0000255   , L0000256   , L0000257   , L0000258
, L0000259   , L0000260   , L0000261   ,
                  L0000262   , L0000263   , L0000264   , L0000265   , L0000266
, L0000267   , L0000268   , L0000269   ,
                  L0000270   , L0000271   , L0000272   , L0000273   , L0000274
, L0000275   , L0000276   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259632.90   4022073.46   0.25013   259632.90
4022093.46   0.27181
         259632.90   4022113.46   0.29635   259632.90
4022133.46   0.32428
         259632.90   4022153.46   0.35627   259632.90
4022173.46   0.39316
         259632.90   4022193.46   0.43605   259632.90
4022213.46   0.48645
         259632.90   4022233.46   0.54652   259652.90
4022073.46   0.26462
         259652.90   4022093.46   0.28860   259652.90
4022113.46   0.31583
         259652.90   4022133.46   0.34700   259652.90

4022153.46 0.38289
259652.90 4022173.46 0.42451 259652.90
4022193.46 0.47319
259652.90 4022213.46 0.53074 259652.90
4022233.46 0.59973
259672.90 4022073.46 0.28058 259672.90
4022093.46 0.30712
259672.90 4022113.46 0.33741 259672.90
4022133.46 0.37223
259672.90 4022153.46 0.41252 259672.90
4022173.46 0.45948
259672.90 4022193.46 0.51464 259672.90
4022213.46 0.58007
259672.90 4022233.46 0.65872 259692.90
4022073.46 0.29810
259692.90 4022093.46 0.32746 259692.90
4022113.46 0.36115
259692.90 4022133.46 0.40003 259692.90
4022153.46 0.44520
259692.90 4022173.46 0.49801 259692.90
4022193.46 0.56018
259692.90 4022213.46 0.63398 259692.90
4022233.46 0.72258
259712.90 4022073.46 0.31718 259712.90
4022093.46 0.34964
259712.90 4022113.46 0.38705 259712.90
4022133.46 0.43038
259712.90 4022153.46 0.48081 259712.90
4022173.46 0.53985
259712.90 4022193.46 0.60935 259712.90
4022213.46 0.69166
259712.90 4022233.46 0.79009 259732.90
4022073.46 0.33786
259732.90 4022093.46 0.37364 259732.90
4022113.46 0.41503
259732.90 4022133.46 0.46308 259732.90
4022153.46 0.51906
259732.90 4022173.46 0.58455 259732.90
4022193.46 0.66148
259732.90 4022213.46 0.75226 259732.90
4022233.46 0.86015
259752.90 4022073.46 0.36008 259752.90
4022093.46 0.39934
259772.90 4022073.46 0.38374 259772.90
4022093.46 0.42659
259792.90 4022073.46 0.40870 259792.90
4022093.46 0.45518
259812.90 4022073.46 0.43478 259812.90
4022093.46 0.48493
259832.90 4022073.46 0.46183 259832.90

4022093.46   0.51573
         259920.63   4022125.03   0.80574   259920.63
4022145.03   0.92173
         259920.63   4022165.03   1.06365   259940.63
4022105.03   0.74858
         259940.63   4022125.03   0.85345   259940.63
4022145.03   0.98193
         259940.63   4022165.03   1.14227   259960.63
4022105.03   0.78843
         259960.63   4022125.03   0.90330   259960.63
4022145.03   1.04654
         259960.63   4022165.03   1.22986   259980.63
4022105.03   0.83057
         259980.63   4022125.03   0.95671   259980.63
4022145.03   1.11712
         259980.63   4022165.03   1.32857   260000.63
4022105.03   0.87968

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL   ***
                                  INCLUDING SOURCE(S):   L0000249   , L0000250
, L0000251   , L0000252   , L0000253   ,
                   L0000254   , L0000255   , L0000256   , L0000257   , L0000258
, L0000259   , L0000260   , L0000261   ,
                   L0000262   , L0000263   , L0000264   , L0000265   , L0000266
, L0000267   , L0000268   , L0000269   ,
                   L0000270   , L0000271   , L0000272   , L0000273   , L0000274
, L0000275   , L0000276   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         260000.63   4022125.03   1.01996   260000.63
4022145.03   1.20245
         260000.63   4022165.03   1.45107   259550.34
4021844.01   0.10349

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         259550.34    4021864.01        0.10870                    259550.34
4021884.01        0.11439
         259550.34    4021904.01        0.12060                    259550.34
4021924.01        0.12738
         259550.34    4021944.01        0.13481                    259550.34
4021964.01        0.14293
         259550.34    4021984.01        0.15180                    259550.34
4022004.01        0.16152
         259550.34    4022024.01        0.17217                    259570.34
4021844.01        0.10640
         259570.34    4021864.01        0.11186                    259570.34
4021884.01        0.11782
         259570.34    4021904.01        0.12435                    259570.34
4021924.01        0.13152
         259570.34    4021944.01        0.13938                    259570.34
4021964.01        0.14800
         259570.34    4021984.01        0.15746                    259570.34
4022004.01        0.16787
         259570.34    4022024.01        0.17932                    259590.34
4021844.01        0.10955
         259590.34    4021864.01        0.11529                    259590.34
4021884.01        0.12156
         259590.34    4021904.01        0.12844                    259590.34
4021924.01        0.13601
         259590.34    4021944.01        0.14434                    259590.34
4021964.01        0.15350
         259590.34    4021984.01        0.16361                    259590.34
4022004.01        0.17478
         259590.34    4022024.01        0.18711                    259610.34
4021844.01        0.11296
         259610.34    4021864.01        0.11901                    259610.34
4021884.01        0.12562
         259610.34    4021904.01        0.13289                    259610.34
4021924.01        0.14089
         259610.34    4021944.01        0.14973                    259610.34
4021964.01        0.15950
         259610.34    4021984.01        0.17032                    259610.34
4022004.01        0.18232
         259610.34    4022024.01        0.19564                    259630.34
4021844.01        0.11663
         259630.34    4021864.01        0.12302                    259630.34
4021884.01        0.13002
         259630.34    4021904.01        0.13772                    259630.34
4021924.01        0.14621
         259630.34    4021944.01        0.15561                    259630.34
4021964.01        0.16604
         259630.34    4021984.01        0.17764                    259630.34
4022004.01        0.19056
         259630.34    4022024.01        0.20498                    259650.34
4021844.01        0.12056
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         259650.34    4021864.01        0.12734                       259650.34
4021884.01        0.13478
         259650.34    4021904.01        0.14296                       259650.34
4021924.01        0.15200
         259650.34    4021944.01        0.16203                       259650.34
4021964.01        0.17318
         259650.34    4021984.01        0.18564                       259650.34
4022004.01        0.19957
         259650.34    4022024.01        0.21520                       259670.34
4021844.01        0.12478
         259670.34    4021864.01        0.13199                       259670.34
4021884.01        0.13991
         259670.34    4021904.01        0.14863                       259670.34
4021924.01        0.15828
         259670.34    4021944.01        0.16901                       259670.34
4021964.01        0.18097
         259670.34    4021984.01        0.19436                       259670.34
4022004.01        0.20942
         259670.34    4022024.01        0.22639                       259690.34
4021844.01        0.12928
         259690.34    4021864.01        0.13697                       259690.34
4021884.01        0.14542
         259690.34    4021904.01        0.15475                       259690.34
4021924.01        0.16508
         259690.34    4021944.01        0.17658                       259690.34
4021964.01        0.18944
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 373
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL     ***
                                    INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                  L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	0.20388	259690.34	4022004.01	0.22017
259690.34	4022024.01	0.23861	259710.34	4021844.01	0.13406
259710.34	4021864.01	0.14228	259710.34	4021884.01	0.15132
259710.34	4021904.01	0.16132	259710.34	4021924.01	0.17242
259710.34	4021944.01	0.18479	259710.34	4021964.01	0.19864
259710.34	4021984.01	0.21424	259710.34	4022004.01	0.23189
259710.34	4022024.01	0.25195	259730.34	4021844.01	0.13913
259730.34	4021864.01	0.14792	259730.34	4021884.01	0.15762
259730.34	4021904.01	0.16836	259730.34	4021924.01	0.18031
259730.34	4021944.01	0.19364	259730.34	4021964.01	0.20861
259730.34	4021984.01	0.22549	259730.34	4022004.01	0.24463
259730.34	4022024.01	0.26645	259750.34	4021844.01	0.14452
259750.34	4021864.01	0.15392	259750.34	4021884.01	0.16433
259750.34	4021904.01	0.17589	259750.34	4021924.01	0.18876
259750.34	4021944.01	0.20316	259750.34	4021964.01	0.21935
259750.34	4021984.01	0.23764	259750.34	4022004.01	0.25842
259750.34	4022024.01	0.28214	259770.34	4021844.01	0.15024
259770.34	4021864.01	0.16031	259770.34	4021884.01	0.17148
259770.34	4021904.01	0.18391	259770.34	4021924.01	0.19779
259770.34	4021944.01	0.21335	259770.34	4021964.01	0.23088
259770.34	4021984.01	0.25070	259770.34	4022004.01	0.27324
259770.34	4022024.01	0.29899	259790.34	4021844.01	0.15631
259790.34	4021864.01	0.16709	259790.34		

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4021884.01        0.17907
         259790.34    4021904.01        0.19243                        259790.34
4021924.01        0.20739
         259790.34    4021944.01        0.22420                        259790.34
4021964.01        0.24315
         259790.34    4021984.01        0.26461                        259790.34
4022004.01        0.28903
         259790.34    4022024.01        0.31694                        259810.34
4021844.01        0.16275
         259810.34    4021864.01        0.17428                        259810.34
4021884.01        0.18712
         259810.34    4021904.01        0.20147                        259810.34
4021924.01        0.21756
         259810.34    4021944.01        0.23567                        259810.34
4021964.01        0.25612
         259810.34    4021984.01        0.27930                        259810.34
4022004.01        0.30569
         259810.34    4022024.01        0.33584                        259830.34
4021844.01        0.16954
         259830.34    4021864.01        0.18186                        259830.34
4021884.01        0.19560
         259830.34    4021904.01        0.21098                        259830.34
4021924.01        0.22825
         259830.34    4021944.01        0.24770                        259830.34
4021964.01        0.26969
         259830.34    4021984.01        0.29465                        259830.34
4022004.01        0.32305
         259830.34    4022024.01        0.35552                        259850.34
4021844.01        0.17665
         259850.34    4021864.01        0.18979                        259850.34
4021884.01        0.20447
         259850.34    4021904.01        0.22091                        259850.34
4021924.01        0.23939
         259850.34    4021944.01        0.26022                        259850.34
4021964.01        0.28378
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                   PAGE 374
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL      ***
                                   INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
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, L0000267    , L0000268    , L0000269    ,
                L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         259850.34    4021984.01        0.31053                       259850.34
4022004.01        0.34099
         259850.34    4022024.01        0.37582                       259870.34
4021844.01        0.18401
         259870.34    4021864.01        0.19801                       259870.34
4021884.01        0.21365
         259870.34    4021904.01        0.23117                       259870.34
4021924.01        0.25087
         259870.34    4021944.01        0.27309                       259870.34
4021964.01        0.29823
         259870.34    4021984.01        0.32679                       259870.34
4022004.01        0.35933
         259870.34    4022024.01        0.39655                       259890.34
4021844.01        0.19157
         259890.34    4021864.01        0.20641                       259890.34
4021884.01        0.22301
         259890.34    4021904.01        0.24162                       259890.34
4021924.01        0.26254
         259890.34    4021944.01        0.28614                       259890.34
4021964.01        0.31287
         259890.34    4021984.01        0.34324                       259890.34
4022004.01        0.37789
         259890.34    4022024.01        0.41753                       259910.34
4021844.01        0.19927
         259910.34    4021864.01        0.21494                       259910.34
4021884.01        0.23248
         259910.34    4021904.01        0.25214                       259910.34
4021924.01        0.27426
         259910.34    4021944.01        0.29923                       259910.34
4021964.01        0.32752
         259910.34    4021984.01        0.35969                       259910.34
4022004.01        0.39644
         259910.34    4022024.01        0.43853                       259930.34
4021844.01        0.20714
         259930.34    4021864.01        0.22361                       259930.34
4021884.01        0.24204
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         259930.34    4021904.01        0.26271                        259930.34
4021924.01        0.28598
         259930.34    4021944.01        0.31226                        259950.34
4021844.01        0.21525
         259950.34    4021864.01        0.23249                        259950.34
4021884.01        0.25177
         259950.34    4021904.01        0.27341                        259950.34
4021924.01        0.29778
         259950.34    4021944.01        0.32532                        259970.34
4021844.01        0.22374
         259970.34    4021864.01        0.24174                        259970.34
4021884.01        0.26188
         259970.34    4021904.01        0.28445                        259970.34
4021924.01        0.30989
         259970.34    4021944.01        0.33867                        259990.34
4021844.01        0.23275
         259990.34    4021864.01        0.25157                        259990.34
4021884.01        0.27261
         259990.34    4021904.01        0.29616                        259990.34
4021924.01        0.32274
         259990.34    4021944.01        0.35285                        260122.80
4022046.18        0.86676
         260142.80    4022066.18        1.02912                        260142.80
4022086.18        1.18432
         260142.80    4022106.18        1.36784                        260142.80
4022126.18        1.58052
         260142.80    4022146.18        1.81879                        260142.80
4022166.18        2.07249
         260162.80    4022066.18        1.03856                        260162.80
4022086.18        1.17840
         260162.80    4022106.18        1.33595                        260162.80
4022126.18        1.50839
         260162.80    4022146.18        1.68952                        260162.80
4022166.18        1.86987
         260182.80    4022066.18        1.02690                        260182.80
4022086.18        1.14705
         260182.80    4022106.18        1.27624                        260182.80
4022126.18        1.41037
         260182.80    4022146.18        1.54321                        260182.80
4022166.18        1.66754
         260202.80    4022066.18        0.99711                        260202.80
4022086.18        1.09601
         260202.80    4022106.18        1.19771                        260202.80
4022126.18        1.29823
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 ,
L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 ,
L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 ,
L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260202.80	4022146.18	1.39251	260202.80	4022166.18	1.47561
260095.45	4022187.01	3.01704	260095.45	4022207.01	3.70297
260095.45	4022227.01	4.38225	260095.45	4022247.01	4.96170
260095.45	4022267.01	5.41201	260115.45	4022187.01	2.75253
260115.45	4022207.01	3.18501	260115.45	4022227.01	3.57814
260115.45	4022247.01	3.90211	260115.45	4022267.01	4.14905
260135.45	4022187.01	2.44681	260135.45	4022207.01	2.71945
260135.45	4022227.01	2.95359	260135.45	4022247.01	3.13743
260135.45	4022267.01	3.26580	260155.45	4022187.01	2.14818
260155.45	4022207.01	2.31909	260155.45	4022227.01	2.45675
260155.45	4022247.01	2.55486	260155.45	4022267.01	2.60960
260175.45	4022187.01	1.87380	260175.45	4022207.01	1.97786
260175.45	4022227.01	2.05376	260175.45	4022247.01	2.09765
260175.45	4022267.01	2.10692	260195.45		

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4022187.01        1.62816
         260195.45    4022207.01        1.68746                          260195.45
4022227.01        1.72320
         260195.45    4022247.01        1.73316                          260195.45
4022267.01        1.71607
         260063.43    4022072.23        0.87174                          260063.43
4022092.23        1.01638
         260063.43    4022112.23        1.20820                          260083.43
4022072.23        0.93633
         260083.43    4022092.23        1.09866                          260083.43
4022112.23        1.31370
         260103.43    4022072.23        0.99716                          260103.43
4022092.23        1.17048
         260103.43    4022112.23        1.39410                          260243.42
4022062.81        0.88794
         260243.42    4022082.81        0.94890                          260243.42
4022102.81        1.00635
         260243.42    4022122.81        1.05775                          260243.42
4022142.81        1.10071
         260243.42    4022162.81        1.13316                          260243.42
4022182.81        1.15344
         260243.42    4022202.81        1.16019                          260243.42
4022222.81        1.15273
         260243.42    4022242.81        1.13105                          260243.42
4022262.81        1.09610
         260243.42    4022282.81        1.04963                          260243.42
4022302.81        0.99414
         260243.42    4022322.81        0.93275                          260243.42
4022342.81        0.86842
         260243.42    4022362.81        0.80383                          260243.42
4022382.81        0.74100
         260243.42    4022402.81        0.68153                          260243.42
4022422.81        0.62690
         260263.42    4022362.81        0.67696                          260263.42
4022382.81        0.62744
         260263.42    4022402.81        0.58066                          260263.42
4022422.81        0.53776
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 376
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259429.52    259488.16    259546.80    259605.44    259664.08
259722.72    259781.36    259840.00    259898.64
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       0.82245      1.06106      1.32426      1.54664      1.70094
 1.78124      1.78739      1.71673      1.58248
  4022649.62 |       0.94503      1.31860      1.78880      2.17925      2.42662
 2.52674      2.49683      2.36670      2.16457
  4022606.10 |       1.07173      1.68357      2.67773      3.48721      3.94996
 4.05101      3.84126      3.51799      3.15601
  4022562.58 |       1.16447      2.17932      5.07807      7.41006      8.67124
 8.70054      7.27667      5.98354      5.10816
  4022519.06 |       1.16781      2.48130      9.22573     13.25106     19.81008
16.83557     25.84455     14.52718     10.13272
  4022475.54 |       1.08007      1.95146      5.45013     11.07425     11.56494
12.73090     18.06213     34.08275     25.86750
  4022432.02 |       0.94014      1.40942      2.37931      4.43686      5.84862
 7.08077      9.72146     16.66359     23.30814
  4022388.50 |       0.81126      1.10966      1.60541      2.55262      3.75609
 5.12644      7.97256     21.80290     34.66127
  4022344.98 |       0.71061      0.92838      1.26064      1.83673      2.74904
 4.10300      7.13219     20.60122     42.26854
  4022301.46 |       0.63165      0.80306      1.05469      1.46687      2.15992
 3.34538      6.18645     22.59102     43.92004
  4022257.94 |       0.56675      0.70619      0.90586      1.22000      1.74410
 2.66997      4.85078     18.34609     41.78904
  4022214.42 |       0.51059      0.62508      0.78506      1.02668      1.41282
 2.06398      3.34637      6.95819     17.13640
  4022170.90 |       0.45958      0.55290      0.67929      0.86118      1.13476
 1.55877      2.24733      3.47696      6.25618
  4022127.38 |       0.41181      0.48657      0.58425      0.71818      0.90786
 1.18076      1.57757      2.16328      3.23985
  4022083.86 |       0.36761      0.42677      0.50130      0.59910      0.73142
 0.91310      1.16143      1.49390      2.02555
  4022040.34 |       0.32789      0.37420      0.43058      0.50231      0.59716
 0.72410      0.88965      1.09833      1.40304
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  4021996.82 |       0.29244      0.32826      0.37106      0.42517      0.49600
 0.58824      0.70345      0.84257      1.03483
  4021953.30 |       0.26075      0.28857      0.32200      0.36449      0.41928
 0.48811      0.57041      0.66701      0.79648
  4021909.78 |       0.23275      0.25502      0.28224      0.31671      0.35989
 0.41208      0.47212      0.54139      0.63274
  4021866.26 |       0.20862      0.22723      0.25014      0.27853      0.31287
 0.35289      0.39757      0.44855      0.51522
  4021822.74 |       0.18826      0.20436      0.22395      0.24743      0.27488
 0.30593      0.33978      0.37810      0.42803
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***        16:36:53

                                      PAGE 377
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                      INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       1.37614      1.11504      0.87430      0.70026      0.55560
 0.44480      0.36152      0.29983      0.25227
  4022649.62 |       1.86520      1.44697      1.10477      0.84918      0.64578
 0.50206      0.39937      0.32508      0.26974
  4022606.10 |       2.69235      2.06055      1.45773      1.03977      0.75479
 0.56911      0.44318      0.35456      0.28990
  4022562.58 |       4.31270      3.15313      1.97199      1.29056      0.89338
 0.64919      0.49229      0.38598      0.31141
  4022519.06 |       8.04961      5.83779      2.75620      1.65138      1.06386
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 0.74203      0.54771      0.42172      0.33651
  4022475.54 |      27.00865     20.83992      4.57606      2.16124      1.27988
 0.85371      0.61290      0.46409      0.36619
  4022432.02 |      25.54963     28.86560      8.11592      2.91058      1.56466
 0.99202      0.69173      0.51421      0.40029
  4022388.50 |      37.42007     31.59560     11.39002      3.89985      1.93119
 1.16667      0.78904      0.57362      0.43818
  4022344.98 |      45.33193     37.03215     12.90748      4.83919      2.35461
 1.37185      0.90014      0.63987      0.48043
  4022301.46 |      47.06170     39.33665     13.61101      5.49396      2.76321
 1.59271      1.02207      0.71074      0.52595
  4022257.94 |      44.15664     34.00648     13.18569      5.80806      3.07832
 1.80457      1.15115      0.79042      0.57614
  4022214.42 |      21.12243     18.35412     10.83204      5.71134      3.24749
 1.97795      1.27637      0.87335      0.63091
  4022170.90 |       8.99160      9.56444      7.78944      5.16409      3.24735
 2.08424      1.38010      0.95248      0.68686
  4022127.38 |       4.74837      5.66404      5.47296      4.33752      3.06646
 2.10492      1.44691      1.01865      0.73962
  4022083.86 |       2.84421      3.60052      3.85752      3.47995      2.75215
 2.03757      1.46934      1.06371      0.78417
  4022040.34 |       1.87306      2.41300      2.76180      2.73307      2.37700
 1.89599      1.44373      1.08318      0.81605
  4021996.82 |       1.32412      1.69496      2.01262      2.12426      1.99569
 1.70640      1.37478      1.07445      0.83230
  4021953.30 |       0.98633      1.24183      1.49750      1.65204      1.64724
 1.49785      1.27355      1.03930      0.83125
  4021909.78 |       0.76401      0.94306      1.14155      1.29547      1.34965
 1.29174      1.15225      0.98136      0.81252
  4021866.26 |       0.60990      0.73955      0.89052      1.02662      1.10472
 1.10218      1.02710      0.91003      0.77903
  4021822.74 |       0.49863      0.59421      0.71010      0.82463      0.90726
 0.93545      0.90528      0.83110      0.73436
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***        16:36:53

                                      PAGE 378
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                      INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
```

, L0000027   , L0000028   , . . .   ,

                                *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 260485.04   260543.68   260602.32
 -
- -

  4022693.14 | 0.21525   0.18480   0.16082
  4022649.62 | 0.22718   0.19417   0.16851
  4022606.10 | 0.24163   0.20531   0.17759
  4022562.58 | 0.25778   0.21788   0.18811
  4022519.06 | 0.27676   0.23299   0.20016
  4022475.54 | 0.29873   0.24972   0.21296
  4022432.02 | 0.32266   0.26672   0.22537
  4022388.50 | 0.34813   0.28433   0.23798
  4022344.98 | 0.37559   0.30366   0.25157
  4022301.46 | 0.40648   0.32505   0.26746
  4022257.94 | 0.44033   0.34895   0.28465
  4022214.42 | 0.47689   0.37482   0.30325
  4022170.90 | 0.51606   0.40240   0.32346
  4022127.38 | 0.55576   0.43110   0.34501
  4022083.86 | 0.59247   0.45996   0.36684
  4022040.34 | 0.62389   0.48668   0.38821
  4021996.82 | 0.64703   0.50993   0.40818
  4021953.30 | 0.66098   0.52826   0.42598
  4021909.78 | 0.66328   0.53878   0.43990
  4021866.26 | 0.65345   0.54277   0.45013
  4021822.74 | 0.63309   0.53791   0.45382

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,

L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	0.62647	259632.90	4022093.46	0.68466
259632.90	4022113.46	0.74943	259632.90	4022133.46	0.82122
259632.90	4022153.46	0.90025	259632.90	4022173.46	0.98647
259632.90	4022193.46	1.07953	259632.90	4022213.46	1.17930
259632.90	4022233.46	1.28662	259652.90	4022073.46	0.66967
259652.90	4022093.46	0.73547	259652.90	4022113.46	0.80948
259652.90	4022133.46	0.89250	259652.90	4022153.46	0.98489
259652.90	4022173.46	1.08681	259652.90	4022193.46	1.19793
259652.90	4022213.46	1.31782	259652.90	4022233.46	1.44713
259672.90	4022073.46	0.71763	259672.90	4022093.46	0.79215
259672.90	4022113.46	0.87697	259672.90	4022133.46	0.97329
259672.90	4022153.46	1.08192	259672.90	4022173.46	1.20323
259672.90	4022193.46	1.33692	259672.90	4022213.46	1.48216
259672.90	4022233.46	1.63905	259692.90	4022073.46	0.77099
259692.90	4022093.46	0.85551	259692.90	4022113.46	0.95296
259692.90	4022133.46	1.06510	259692.90	4022153.46	1.19342
259692.90	4022173.46	1.33877	259692.90	4022193.46	1.50095
259692.90	4022213.46	1.67856	259692.90	4022233.46	1.87058
259712.90	4022073.46	0.83030	259712.90		

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4022093.46        0.92642
         259712.90    4022113.46        1.03866                        259712.90
4022133.46        1.16965
         259712.90    4022153.46        1.32190                        259712.90
4022173.46        1.49725
         259712.90    4022193.46        1.69599                        259712.90
4022213.46        1.91604
         259712.90    4022233.46        2.15440                        259732.90
4022073.46        0.89633
         259732.90    4022093.46        1.00584                        259732.90
4022113.46        1.13539
         259732.90    4022133.46        1.28891                        259732.90
4022153.46        1.47049
         259732.90    4022173.46        1.68380                        259732.90
4022193.46        1.93050
         259732.90    4022213.46        2.20847                        259732.90
4022233.46        2.51159
         259752.90    4022073.46        0.96941                        259752.90
4022093.46        1.09454
         259772.90    4022073.46        1.04987                        259772.90
4022093.46        1.19315
         259792.90    4022073.46        1.13778                        259792.90
4022093.46        1.30214
         259812.90    4022073.46        1.23373                        259812.90
4022093.46        1.42248
         259832.90    4022073.46        1.34018                        259832.90
4022093.46        1.55775
         259920.63    4022125.03        3.69537                        259920.63
4022145.03        4.88692
         259920.63    4022165.03        6.75209                        259940.63
4022105.03        3.28229
         259940.63    4022125.03        4.20794                        259940.63
4022145.03        5.56182
         259940.63    4022165.03        7.61659                        259960.63
4022105.03        3.66253
         259960.63    4022125.03        4.68013                        259960.63
4022145.03        6.13109
         259960.63    4022165.03        8.26789                        259980.63
4022105.03        4.00622
         259980.63    4022125.03        5.07493                        259980.63
4022145.03        6.56028
         259980.63    4022165.03        8.69144                        260000.63
4022105.03        4.29046
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       16:36:53

                                  PAGE 380
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260000.63	4022125.03	5.37028	260000.63	4022145.03	6.83461
260000.63	4022165.03	8.88386	259550.34	4021844.01	0.23753
259550.34	4021864.01	0.25019	259550.34	4021884.01	0.26409
259550.34	4021904.01	0.27939	259550.34	4021924.01	0.29629
259550.34	4021944.01	0.31495	259550.34	4021964.01	0.33555
259550.34	4021984.01	0.35825	259550.34	4022004.01	0.38317
259550.34	4022024.01	0.41040	259570.34	4021844.01	0.24586
259570.34	4021864.01	0.25924	259570.34	4021884.01	0.27392
259570.34	4021904.01	0.29011	259570.34	4021924.01	0.30801
259570.34	4021944.01	0.32783	259570.34	4021964.01	0.34981
259570.34	4021984.01	0.37417	259570.34	4022004.01	0.40111
259570.34	4022024.01	0.43079	259590.34	4021844.01	0.25477
259590.34	4021864.01	0.26897	259590.34	4021884.01	0.28456
259590.34	4021904.01	0.30175	259590.34	4021924.01	0.32077

259590.34 4021944.01 0.34188 259590.34
4021964.01 0.36537
259590.34 4021984.01 0.39155 259590.34
4022004.01 0.42068
259590.34 4022024.01 0.45303 259610.34
4021844.01 0.26425
259610.34 4021864.01 0.27938 259610.34
4021884.01 0.29600
259610.34 4021904.01 0.31433 259610.34
4021924.01 0.33464
259610.34 4021944.01 0.35721 259610.34
4021964.01 0.38240
259610.34 4021984.01 0.41058 259610.34
4022004.01 0.44212
259610.34 4022024.01 0.47740 259630.34
4021844.01 0.27429
259630.34 4021864.01 0.29047 259630.34
4021884.01 0.30826
259630.34 4021904.01 0.32789 259630.34
4021924.01 0.34966
259630.34 4021944.01 0.37391 259630.34
4021964.01 0.40102
259630.34 4021984.01 0.43145 259630.34
4022004.01 0.46567
259630.34 4022024.01 0.50422 259650.34
4021844.01 0.28488
259650.34 4021864.01 0.30224 259650.34
4021884.01 0.32134
259650.34 4021904.01 0.34245 259650.34
4021924.01 0.36589
259650.34 4021944.01 0.39203 259650.34
4021964.01 0.42133
259650.34 4021984.01 0.45431 259650.34
4022004.01 0.49156
259650.34 4022024.01 0.53377 259670.34
4021844.01 0.29603
259670.34 4021864.01 0.31467 259670.34
4021884.01 0.33524
259670.34 4021904.01 0.35801 259670.34
4021924.01 0.38334
259670.34 4021944.01 0.41164 259670.34
4021964.01 0.44343
259670.34 4021984.01 0.47931 259670.34
4022004.01 0.51999
259670.34 4022024.01 0.56634 259690.34
4021844.01 0.30769
259690.34 4021864.01 0.32775 259690.34
4021884.01 0.34994
259690.34 4021904.01 0.37457 259690.34
4021924.01 0.40202

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	0.50657	259690.34	4022004.01	0.55117
259690.34	4022024.01	0.60220	259710.34	4021844.01	0.31984
259710.34	4021864.01	0.34144	259710.34	4021884.01	0.36541
259710.34	4021904.01	0.39208	259710.34	4021924.01	0.42191
259710.34	4021944.01	0.45540	259710.34	4021964.01	0.49322
259710.34	4021984.01	0.53617	259710.34	4022004.01	0.58523
259710.34	4022024.01	0.64163	259730.34	4021844.01	0.33242
259730.34	4021864.01	0.35568	259730.34	4021884.01	0.38158
259730.34	4021904.01	0.41050	259730.34	4021924.01	0.44294
259730.34	4021944.01	0.47951	259730.34		

4021964.01 0.52093
259730.34 4021984.01 0.56814 259730.34
4022004.01 0.62229
259730.34 4022024.01 0.68483 259750.34
4021844.01 0.34538
259750.34 4021864.01 0.37042 259750.34
4021884.01 0.39838
259750.34 4021904.01 0.42973 259750.34
4021924.01 0.46504
259750.34 4021944.01 0.50499 259750.34
4021964.01 0.55043
259750.34 4021984.01 0.60242 259750.34
4022004.01 0.66231
259750.34 4022024.01 0.73179 259770.34
4021844.01 0.35873
259770.34 4021864.01 0.38562 259770.34
4021884.01 0.41577
259770.34 4021904.01 0.44971 259770.34
4021924.01 0.48810
259770.34 4021944.01 0.53172 259770.34
4021964.01 0.58156
259770.34 4021984.01 0.63885 259770.34
4022004.01 0.70515
259770.34 4022024.01 0.78247 259790.34
4021844.01 0.37252
259790.34 4021864.01 0.40136 259790.34
4021884.01 0.43381
259790.34 4021904.01 0.47049 259790.34
4021924.01 0.51214
259790.34 4021944.01 0.55968 259790.34
4021964.01 0.61426
259790.34 4021984.01 0.67731 259790.34
4022004.01 0.75068
259790.34 4022024.01 0.83672 259810.34
4021844.01 0.38696
259810.34 4021864.01 0.41785 259810.34
4021884.01 0.45273
259810.34 4021904.01 0.49228 259810.34
4021924.01 0.53738
259810.34 4021944.01 0.58909 259810.34
4021964.01 0.64874
259810.34 4021984.01 0.71800 259810.34
4022004.01 0.79905
259810.34 4022024.01 0.89468 259830.34
4021844.01 0.40234
259830.34 4021864.01 0.43542 259830.34
4021884.01 0.47289
259830.34 4021904.01 0.51554 259830.34
4021924.01 0.56434
259830.34 4021944.01 0.62052 259830.34

4021964.01   0.68565
         259830.34   4021984.01   0.76168   259830.34
4022004.01   0.85114
         259830.34   4022024.01   0.95743   259850.34
4021844.01   0.41904
         259850.34   4021864.01   0.45451   259850.34
4021884.01   0.49483
         259850.34   4021904.01   0.54087   259850.34
4021924.01   0.59377
         259850.34   4021944.01   0.65493   259850.34
4021964.01   0.72617

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                             *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259850.34   4021984.01   0.80978   259850.34
4022004.01   0.90877
         259850.34   4022024.01   1.02730   259870.34
4021844.01   0.43751
         259870.34   4021864.01   0.47566   259870.34
4021884.01   0.51916
         259870.34   4021904.01   0.56902   259870.34
4021924.01   0.62653
         259870.34   4021944.01   0.69330   259870.34
4021964.01   0.77150

```
         259870.34    4021984.01        0.86390                    259870.34
4022004.01        0.97422
         259870.34    4022024.01        1.10741                    259890.34
4021844.01        0.45820
         259890.34    4021864.01        0.49935                    259890.34
4021884.01        0.54645
         259890.34    4021904.01        0.60063                    259890.34
4021924.01        0.66341
         259890.34    4021944.01        0.73672                    259890.34
4021964.01        0.82313
         259890.34    4021984.01        0.92595                    259890.34
4022004.01        1.04980
         259890.34    4022024.01        1.20085                    259910.34
4021844.01        0.48153
         259910.34    4021864.01        0.52609                    259910.34
4021884.01        0.57729
         259910.34    4021904.01        0.63644                    259910.34
4021924.01        0.70534
         259910.34    4021944.01        0.78630                    259910.34
4021964.01        0.88234
         259910.34    4021984.01        0.99753                    259910.34
4022004.01        1.13754
         259910.34    4022024.01        1.31018                    259930.34
4021844.01        0.50790
         259930.34    4021864.01        0.55633                    259930.34
4021884.01        0.61220
         259930.34    4021904.01        0.67708                    259930.34
4021924.01        0.75307
         259930.34    4021944.01        0.84287                    259950.34
4021844.01        0.53762
         259950.34    4021864.01        0.59046                    259950.34
4021884.01        0.65166
         259950.34    4021904.01        0.72308                    259950.34
4021924.01        0.80718
         259950.34    4021944.01        0.90714                    259970.34
4021844.01        0.57088
         259970.34    4021864.01        0.62872                    259970.34
4021884.01        0.69596
         259970.34    4021904.01        0.77476                    259970.34
4021924.01        0.86795
         259970.34    4021944.01        0.97925                    259990.34
4021844.01        0.60775
         259990.34    4021864.01        0.67115                    259990.34
4021884.01        0.74511
         259990.34    4021904.01        0.83187                    259990.34
4021924.01        0.93501
         259990.34    4021944.01        1.05865                    260122.80
4022046.18        2.86527
         260142.80    4022066.18        3.08656                    260142.80
4022086.18        3.41370
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         260142.80    4022106.18        3.75375                       260142.80
4022126.18        4.09545
         260142.80    4022146.18        4.42462                       260142.80
4022166.18        4.72285
         260162.80    4022066.18        2.90514                       260162.80
4022086.18        3.16187
         260162.80    4022106.18        3.41485                       260162.80
4022126.18        3.65358
         260162.80    4022146.18        3.86750                       260162.80
4022166.18        4.04572
         260182.80    4022066.18        2.70020                       260182.80
4022086.18        2.89452
         260182.80    4022106.18        3.07721                       260182.80
4022126.18        3.23978
         260182.80    4022146.18        3.37216                       260182.80
4022166.18        3.46945
         260202.80    4022066.18        2.48657                       260202.80
4022086.18        2.62383
         260202.80    4022106.18        2.74785                       260202.80
4022126.18        2.85126
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 383
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         260202.80    4022146.18        2.92774                       260202.80
```

4022166.18 2.97499
260095.45 4022187.01 7.51057 260095.45
4022207.01 8.30432
260095.45 4022227.01 8.95236 260095.45
4022247.01 9.37407
260095.45 4022267.01 9.56451 260115.45
4022187.01 6.33033
260115.45 4022207.01 6.75646 260115.45
4022227.01 7.05548
260115.45 4022247.01 7.21031 260115.45
4022267.01 7.23042
260135.45 4022187.01 5.30995 260135.45
4022207.01 5.52545
260135.45 4022227.01 5.64831 260135.45
4022247.01 5.67687
260135.45 4022267.01 5.61752 260155.45
4022187.01 4.45301
260155.45 4022207.01 4.54865 260155.45
4022227.01 4.57846
260155.45 4022247.01 4.54389 260155.45
4022267.01 4.44951
260175.45 4022187.01 3.75176 260175.45
4022207.01 3.77720
260175.45 4022227.01 3.75546 260175.45
4022247.01 3.68860
260175.45 4022267.01 3.57833 260195.45
4022187.01 3.17425
260195.45 4022207.01 3.15922 260195.45
4022227.01 3.10999
260195.45 4022247.01 3.02852 260195.45
4022267.01 2.91569
260063.43 4022072.23 3.50814 260063.43
4022092.23 4.13998
260063.43 4022112.23 4.90983 260083.43
4022072.23 3.51822
260083.43 4022092.23 4.08945 260083.43
4022112.23 4.76393
260103.43 4022072.23 3.46076 260103.43
4022092.23 3.95533
260103.43 4022112.23 4.51911 260243.42
4022062.81 2.04656
260243.42 4022082.81 2.11428 260243.42
4022102.81 2.16576
260243.42 4022122.81 2.19861 260243.42
4022142.81 2.21177
260243.42 4022162.81 2.20460 260243.42
4022182.81 2.17681
260243.42 4022202.81 2.12938 260243.42
4022222.81 2.06437
260243.42 4022242.81 1.98431 260243.42

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4022262.81        1.89211
         260243.42    4022282.81        1.79095                        260243.42
4022302.81        1.68402
         260243.42    4022322.81        1.57445                        260243.42
4022342.81        1.46516
         260243.42    4022362.81        1.35921                        260243.42
4022382.81        1.25827
         260243.42    4022402.81        1.16412                        260243.42
4022422.81        1.07850
         260263.42    4022362.81        1.16442                        260263.42
4022382.81        1.08392
         260263.42    4022402.81        1.00864                        260263.42
4022422.81        0.93963
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 384
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                 *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       259429.52               259488.16              259546.80
      259605.44              259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |     86.15501 (20012208)     89.83483 (21021108)    102.91633 (22011408)
   114.95085 (22120608)    126.99968 (21012608)
 4022649.6 |     94.05357 (18011708)     99.83363 (20012208)    106.00381 (22123008)
   124.40040 (22011408)    138.30784 (21010108)
 4022606.1 |     94.52733 (18020808)    109.67266 (18020808)    117.71303 (20012208)
   127.85760 (22123008)    150.11014 (22011408)
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```
 4022562.6 |    100.23564 (19122008)    108.35211 (21010708)    129.83907 (18020808)
   141.93657 (20012208)    158.79160 (20010608)
 4022519.1 |    102.11434 (19011508)    118.17658 (19122008)    129.04893 (19122008)
   156.39680 (18020808)    176.48891 (20012208)
 4022475.5 |    107.32575 (22010408)    119.24837 (22010408)    137.40730 (19011508)
   161.23388 (19122008)    192.92515 (18020808)
 4022432.0 |    108.86826 (22020708)    123.52000 (22020708)    142.61933 (22010408)
   164.98030 (22010408)    199.18107 (19122008)
 4022388.5 |    105.93970 (18011508)    122.11132 (18011508)    141.64945 (22020708)
   169.41485 (22020708)    201.71563 (22010408)
 4022345.0 |    109.37249 (20120208)    124.88701 (20120208)    143.85922 (20120208)
   167.91675 (22012608)    200.44994 (18011508)
 4022301.5 |    110.67958 (22021408)    126.82140 (22021408)    146.84819 (22021408)
   172.33786 (22021408)    206.30751 (22021408)
 4022257.9 |    110.60566 (22021408)    124.71058 (22021408)    142.67155 (21120108)
   168.75881 (20013108)    205.82478 (20013108)
 4022214.4 |    108.35313 (20013108)    122.64305 (22021808)    146.60869 (22021808)
   174.14307 (22021808)    208.65022 (19120908)
 4022170.9 |    111.01641 (22021808)    123.79497 (22021808)    144.95815 (19120908)
   166.27594 (19120908)    199.80129 (19121708)
 4022127.4 |    108.65415 (19120908)    120.14660 (19120908)    133.90157 (19121708)
   159.44079 (19121708)    184.82784 (22011708)
 4022083.9 |     98.44074 (20121108)    115.85803 (19121708)    128.69675 (19121708)
   147.04230 (22011708)    167.42040 (19020608)
 4022040.3 |     99.98463 (19121708)    108.21790 (22011708)    120.78306 (22011708)
   135.27464 (19020608)    140.99715 (20020708)
 4021996.8 |     93.71842 (22011708)    101.53179 (22011708)    111.70143 (19020608)
   120.16028 (19020608)    125.30306 (21120808)
 4021953.3 |     86.98508 (22011708)     93.95553 (19020608)    103.90338 (19020608)
   106.91489 (20020708)    117.59604 (21120808)
 4021909.8 |     80.16839 (19020608)     90.55581 (19020608)     90.89923 (20020708)
    97.65064 (21120808)    107.94416 (18120308)
 4021866.3 |     79.50045 (19020608)     76.83466 (20020708)     82.61143 (20020708)
    91.48253 (21120808)    107.26717 (22021108)
 4021822.7 |     70.05934 (19020608)     73.85356 (20020708)     78.99266 (21120808)
    85.12941 (21121408)    102.85900 (22021108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***       16:36:53

                                     PAGE 385
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                     INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259722.72               259781.36              259840.00
      259898.64              259957.28
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    151.13566 (20120408)    157.87262 (21122408)    163.88486 (18020908)
   153.38413 (18020908)    162.39062 (20012708)
 4022649.6 |    166.92409 (21012608)    182.51510 (21122408)    183.27341 (20121708)
   179.20668 (18020908)    184.13115 (20012708)
 4022606.1 |    173.92298 (21012608)    203.34541 (21122408)    210.50620 (20121708)
   210.14548 (18020908)    210.18670 (20012708)
 4022562.6 |    186.87396 (21010108)    231.41724 (20120408)    241.73074 (20121708)
   247.72675 (18020908)    243.44799 (20012708)
 4022519.1 |    209.81367 (22011408)    260.65845 (21012608)    292.24717 (21122408)
   296.91401 (18020908)    286.68945 (20012708)
 4022475.5 |    230.64851 (20012208)    291.34285 (22011408)    365.06053 (21122408)
   364.81724 (18020908)    351.16909 (21021708)
 4022432.0 |    245.86634 (18020808)    330.85150 (20012208)    497.88347 (20120408)
   499.90370 (18020908)    499.08131 (21021708)
 4022388.5 |    248.16450 (19122008)    338.65615 (19021208)    585.60569 (21022408)
   624.44489 (21111108)    633.83991 (22122009)
 4022345.0 |    254.45654 (22020708)    340.61236 (21120208)    574.67887 (21022208)
   659.25617 (21022408)    692.11460 (20010809)
 4022301.5 |    258.34563 (20120208)    354.15407 (22012608)    612.76377 (18022708)
   670.54179 (18111608)    663.58808 (18111608)
 4022257.9 |    262.24860 (22021808)    375.10392 (22021808)    674.50511 (22021808)
   641.13775 (19121308)    699.90269 (20021808)
 4022214.4 |    263.82863 (19120908)    357.96145 (19121708)    502.62043 (22021108)
   517.12653 (19121908)    536.18164 (19121908)
 4022170.9 |    244.29950 (22011708)    297.89513 (19020608)    364.19742 (22021108)
   344.44475 (22022108)    383.01120 (19121908)
 4022127.4 |    216.31150 (19020608)    239.05807 (21120808)    278.49721 (22021108)
   269.25373 (18012508)    304.57533 (19121908)
 4022083.9 |    177.96480 (20020708)    219.52628 (22021108)    231.54148 (22022108)
   220.72135 (18012508)    253.13280 (19121908)
 4022040.3 |    159.46774 (21120808)    194.96637 (22021108)    196.89290 (19010908)
   186.33943 (18012508)    213.89145 (19121908)
 4021996.8 |    147.12141 (22021108)    164.15609 (22021108)    171.55128 (19010908)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE ***
                                  INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
               L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
               L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
               L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

                               *** NETWORK ID: BKGND ; NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF PM_10 IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 260015.92   260074.56   260133.20
      260191.84   260250.48
 -
- -

 4022693.1 | 154.14244 (21021708) 145.76862 (18011808) 133.95513 (22022508)
  137.83019 (22011308) 123.76564 (21021008)
 4022649.6 | 177.47710 (21021708) 151.37448 (18011808) 158.39988 (22121308)
  147.37971 (21021008) 118.50104 (21021008)
 4022606.1 | 204.29191 (21021708) 176.65918 (19122508) 180.97667 (22011308)
  153.61860 (21021008) 139.29668 (18020608)
 4022562.6 | 235.66159 (18011808) 215.91940 (22121308) 197.22480 (21021008)
  167.26007 (18020608) 142.25236 (18020608)
 4022519.1 | 270.71930 (18011808) 271.42440 (22011308) 206.99394 (18020608)
  175.66103 (18020608) 157.29735 (22011008)

```
 4022475.5 |    330.62329 (22121308)    275.87077 (21021008)    224.94839 (18020608)
   192.02481 (22011008)    152.78960 (22120808)
 4022432.0 |    439.44144 (21021008)    303.04542 (18020608)    240.74697 (22011008)
   191.95621 (20012108)    168.68469 (20012108)
 4022388.5 |    490.08665 (22122208)    320.08661 (22011008)    248.07587 (20012108)
   201.76769 (20012108)    170.14233 (22122608)
 4022345.0 |    523.07871 (22120808)    334.57161 (20012108)    249.01295 (19121808)
   207.50349 (19121808)    176.63101 (19121808)
 4022301.5 |    568.85305 (20022408)    353.83767 (19121808)    260.58303 (19121808)
   206.96883 (19012508)    173.98368 (19012508)
 4022257.9 |    639.22327 (20022408)    370.42329 (21123108)    270.71239 (21123108)
   215.90681 (21123108)    179.84130 (21123108)
 4022214.4 |    526.17473 (18021908)    339.27596 (20122408)    253.43692 (20022408)
   210.96136 (18011208)    179.98218 (18011208)
 4022170.9 |    370.63186 (22020208)    316.18272 (18021908)    244.72852 (20122408)
   194.61642 (22020108)    157.15161 (18121008)
 4022127.4 |    296.90006 (21011208)    266.67728 (18121808)    228.82125 (18022108)
   187.19451 (20122408)    159.43832 (22020108)
 4022083.9 |    254.63818 (22121208)    227.57077 (18121808)    208.59389 (18021908)
   179.65435 (18022108)    149.52171 (22122008)
 4022040.3 |    220.86991 (22121208)    201.10329 (19010108)    184.76669 (18121808)
   168.27430 (18021908)    146.69318 (18022108)
 4021996.8 |    189.45538 (22121208)    178.54661 (21011208)    162.61280 (18121808)
   144.41641 (18021908)    136.55572 (18021908)
 4021953.3 |    162.35769 (22010708)    157.56213 (22121208)    145.20616 (22020208)
   139.50805 (18121808)    127.27878 (18021908)
 4021909.8 |    147.53190 (22010708)    148.40723 (22121208)    136.48143 (21011908)
   124.04788 (18121808)    112.34300 (18121808)
 4021866.3 |    134.44284 (19121908)    135.90488 (22121208)    123.61517 (21011208)
   109.56976 (22020208)    110.40862 (18121808)
 4021822.7 |    122.36610 (19121908)    121.47469 (22121208)    108.01135 (21011208)
   106.59088 (21011908)     98.69776 (18121808)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53

                                   PAGE 387
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260309.12	260367.76	260426.40	260485.04	260543.68
4022693.1	100.94529 (18020608)	102.18294 (18020608)	85.90895 (18020608)	81.15591 (22011008)	79.05846 (22011008)
4022649.6	118.38494 (18020608)	99.91069 (18020608)	94.19255 (22011008)	89.12132 (22011008)	76.21852 (22011008)
4022606.1	118.09906 (18020608)	110.48813 (22011008)	100.89151 (22011008)	85.28823 (22120808)	75.11048 (22120808)
4022562.6	130.99054 (22011008)	114.63641 (22011008)	97.00849 (22120808)	82.25684 (20012108)	81.92335 (20012108)
4022519.1	130.92264 (22011008)	109.46420 (22120808)	103.36919 (20012108)	97.05685 (20012108)	87.59802 (20012108)
4022475.5	136.21358 (20012108)	124.87197 (20012108)	109.99190 (20012108)	99.24640 (22122608)	89.77226 (22122608)
4022432.0	143.91557 (20012108)	127.76508 (22122608)	111.13102 (22122608)	96.75602 (18021308)	84.55684 (18021308)
4022388.5	141.44726 (18021308)	124.84826 (19121808)	112.86494 (19121808)	102.26937 (19121808)	92.78030 (19121808)
4022345.0	151.66952 (19121808)	131.00084 (19121808)	113.76102 (19121808)	99.34481 (19121808)	87.26999 (19121808)
4022301.5	149.23775 (19012508)	129.87703 (19012508)	114.35096 (19012508)	101.61588 (19012508)	91.03020 (19012508)
4022257.9	153.00432 (21123108)	131.47919 (21123108)	113.52429 (21123108)	98.31149 (21123108)	85.34042 (21123108)
4022214.4	153.50008 (18011208)	130.01461 (18011208)	114.79069 (21123108)	103.87881 (21123108)	93.86253 (21123108)
4022170.9	141.33947 (20022408)	128.27613 (18011208)	116.65170 (18011208)	103.97399 (18011208)	91.13935 (18011208)
4022127.4	130.63778 (22020108)	115.29206 (18121008)	103.47604 (20022408)	97.52450 (20022408)	90.43995 (18011208)
4022083.9	133.71346 (20122408)	115.15461 (22020108)	98.34076 (18121008)	89.24286 (18121008)	79.58224 (20022408)
4022040.3	123.10904 (22122008)	114.49360 (20122408)	100.89417 (22020108)	85.15987 (22020108)	78.74545 (18121008)
4021996.8	122.81075 (18022108)	104.48785 (22122808)	98.94268 (20122408)	88.15370 (22020108)	78.06404 (22020108)
4021953.3	111.46566 (18021908)	104.71974 (18022108)	90.47582 (22122808)	86.24419 (20122408)	77.11452 (20122408)
4021909.8	110.81187 (18021908)	96.09850 (18022108)	90.57298 (18022108)		

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259632.90   4022073.46   149.88556 (19020608)   259632.90
4022093.46   156.01054 (22011708)
        259632.90   4022113.46   166.78714 (22011708)   259632.90
4022133.46   170.49104 (19121708)
        259632.90   4022153.46   177.91070 (19121708)   259632.90
4022173.46   176.43752 (19120908)
        259632.90   4022193.46   187.11172 (19120908)   259632.90
4022213.46   188.60587 (22021808)
        259632.90   4022233.46   188.97306 (22021808)   259652.90
4022073.46   159.69275 (19020608)
        259652.90   4022093.46   161.94905 (19020608)   259652.90
4022113.46   172.89296 (22011708)
        259652.90   4022133.46   181.56127 (22011708)   259652.90
4022153.46   188.68051 (19121708)
        259652.90   4022173.46   190.81326 (19121708)   259652.90

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4022193.46      198.44723  (19120908)
        259652.90   4022213.46      200.08663  (22021808)                259652.90
4022233.46      203.19497  (22021808)
        259672.90   4022073.46      164.85477  (19020608)                259672.90
4022093.46      174.55764  (19020608)
        259672.90   4022113.46      176.09465  (19020608)                259672.90
4022133.46      191.79665  (22011708)
        259672.90   4022153.46      197.32795  (22011708)                259672.90
4022173.46      206.76016  (19121708)
        259672.90   4022193.46      209.57454  (19120908)                259672.90
4022213.46      216.16906  (19120908)
        259672.90   4022233.46      219.19912  (22021808)                259692.90
4022073.46      164.20272  (19020608)
        259692.90   4022093.46      181.84754  (19020608)                259692.90
4022113.46      192.00927  (19020608)
        259692.90   4022133.46      197.49126  (22011708)                259692.90
4022153.46      212.76770  (22011708)
        259692.90   4022173.46      221.48142  (19121708)                259692.90
4022193.46      223.67499  (19121708)
        259692.90   4022213.46      233.87103  (19120908)                259692.90
4022233.46      237.54361  (22021808)
        259712.90   4022073.46      169.33463  (20020708)                259712.90
4022093.46      181.90093  (19020608)
        259712.90   4022113.46      201.81776  (19020608)                259712.90
4022133.46      212.58621  (19020608)
        259712.90   4022153.46      223.93440  (22011708)                259712.90
4022173.46      235.78175  (22011708)
        259712.90   4022193.46      245.97653  (19121708)                259712.90
4022213.46      253.13962  (19120908)
        259712.90   4022233.46      258.96841  (22021808)                259732.90
4022073.46      177.20987  (21120808)
        259732.90   4022093.46      186.93020  (20020708)                259732.90
4022113.46      203.01990  (19020608)
        259732.90   4022133.46      225.92477  (19020608)                259732.90
4022153.46      237.43302  (19020608)
        259732.90   4022173.46      254.71251  (22011708)                259732.90
4022193.46      267.87344  (19121708)
        259732.90   4022213.46      273.77629  (19120908)                259732.90
4022233.46      284.47546  (22021808)
        259752.90   4022073.46      184.98507  (21120808)                259752.90
4022093.46      197.95872  (21120808)
        259772.90   4022073.46      206.82500  (22021108)                259772.90
4022093.46      211.10828  (22021108)
        259792.90   4022073.46      220.73435  (22021108)                259792.90
4022093.46      235.16799  (22021108)
        259812.90   4022073.46      219.35295  (22021108)                259812.90
4022093.46      241.33038  (22021108)
        259832.90   4022073.46      221.90693  (22022108)                259832.90
4022093.46      239.18576  (22022108)
        259920.63   4022125.03      279.97513  (19121908)                259920.63
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4022145.03   315.63097 (19121908)
        259920.63   4022165.03   358.65417 (19121908)   259940.63
4022105.03   269.32034 (19121908)
        259940.63   4022125.03   296.45169 (19121908)   259940.63
4022145.03   328.55121 (19121908)
        259940.63   4022165.03   368.19600 (19121908)   259960.63
4022105.03   276.61885 (19121908)
        259960.63   4022125.03   301.61456 (19121908)   259960.63
4022145.03   331.77977 (19121908)
        259960.63   4022165.03   369.69730 (19121908)   259980.63
4022105.03   274.84246 (22121208)
        259980.63   4022125.03   301.90694 (22121208)   259980.63
4022145.03   332.85772 (22121208)
        259980.63   4022165.03   369.84826 (22121208)   260000.63
4022105.03   279.53276 (22121208)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        260000.63   4022125.03   303.13851 (22121208)   260000.63
4022145.03   330.59748 (22121208)
        260000.63   4022165.03   364.10292 (21011208)   259550.34
4021844.01   80.40670 (21120808)
        259550.34   4021864.01   81.70284 (20020708)   259550.34
4021884.01   87.02924 (20020708)

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        259550.34   4021904.01       90.79599  (20020708)               259550.34
4021924.01       92.62037  (20020708)
        259550.34   4021944.01      100.00606  (19020608)               259550.34
4021964.01      107.50262  (19020608)
        259550.34   4021984.01      111.94078  (19020608)               259550.34
4022004.01      112.78701  (19020608)
        259550.34   4022024.01      112.10994  (22011708)               259570.34
4021844.01       84.58659  (21120808)
        259570.34   4021864.01       85.92480  (21120808)               259570.34
4021884.01       85.99522  (20020708)
        259570.34   4021904.01       92.11049  (20020708)               259570.34
4021924.01       96.55902  (20020708)
        259570.34   4021944.01       98.89832  (20020708)               259570.34
4021964.01      107.00213  (19020608)
        259570.34   4021984.01      114.97294  (19020608)               259570.34
4022004.01      119.56415  (19020608)
        259570.34   4022024.01      120.01016  (19020608)               259590.34
4021844.01       86.33560  (21120808)
        259590.34   4021864.01       89.85211  (21120808)               259590.34
4021884.01       91.95719  (21120808)
        259590.34   4021904.01       92.41434  (21120808)               259590.34
4021924.01       97.79250  (20020708)
        259590.34   4021944.01      103.04623  (20020708)               259590.34
4021964.01      105.90037  (20020708)
        259590.34   4021984.01      114.81856  (19020608)               259590.34
4022004.01      123.42449  (19020608)
        259590.34   4022024.01      128.06481  (19020608)               259610.34
4021844.01       88.14533  (21121408)
        259610.34   4021864.01       90.95446  (21120808)               259610.34
4021884.01       95.47906  (21120808)
        259610.34   4021904.01       98.52189  (21120808)               259610.34
4021924.01       99.77127  (21120808)
        259610.34   4021944.01      104.06720  (20020708)               259610.34
4021964.01      110.21365  (20020708)
        259610.34   4021984.01      113.73104  (20020708)               259610.34
4022004.01      123.70863  (19020608)
        259610.34   4022024.01      132.93575  (19020608)               259630.34
4021844.01       92.30763  (18120308)
        259630.34   4021864.01       94.28339  (21121408)               259630.34
4021884.01       96.31309  (21121408)
        259630.34   4021904.01      101.44313  (21120808)               259630.34
4021924.01      105.61205  (21120808)
        259630.34   4021944.01      107.85926  (21120808)               259630.34
4021964.01      110.97391  (20020708)
        259630.34   4021984.01      118.23884  (20020708)               259630.34
4022004.01      122.63237  (20020708)
        259630.34   4022024.01      133.78924  (19020608)               259650.34
4021844.01      100.76198  (22021108)
        259650.34   4021864.01      100.37152  (22021108)               259650.34
4021884.01      101.14828  (18120308)
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        259650.34   4021904.01      103.87032  (21121408)                259650.34
4021924.01      107.74209  (21120808)
        259650.34   4021944.01      113.28956  (21120808)                259650.34
4021964.01      116.78129  (21120808)
        259650.34   4021984.01      118.68498  (20020708)                259650.34
4022004.01      127.32361  (20020708)
        259650.34   4022024.01      132.74225  (20020708)                259670.34
4021844.01      107.32005  (22021108)
        259670.34   4021864.01      109.66625  (22021108)                259670.34
4021884.01      110.67620  (22021108)
        259670.34   4021904.01      110.18411  (22021108)                259670.34
4021924.01      111.83481  (21121408)
        259670.34   4021944.01      114.99441  (21121408)                259670.34
4021964.01      121.56920  (21120808)
        259670.34   4021984.01      126.62821  (21120808)                259670.34
4022004.01      128.97773  (21120808)
        259670.34   4022024.01      137.60190  (20020708)                259690.34
4021844.01      109.24366  (22021108)
        259690.34   4021864.01      114.39476  (22021108)                259690.34
4021884.01      118.48100  (22021108)
        259690.34   4021904.01      121.25318  (22021108)                259690.34
4021924.01      122.45924  (22021108)
        259690.34   4021944.01      121.87183  (22021108)                259690.34
4021964.01      125.06457  (21121408)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 391
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)   CONC   (YYMMDDHH)
- -
        259690.34   4021984.01   130.49999 (21120808)   259690.34
4022004.01   137.52330 (21120808)
        259690.34   4022024.01   141.63040 (21120808)   259710.34
4021844.01   106.11484 (22021108)
        259710.34   4021864.01   113.75216 (22021108)   259710.34
4021884.01   120.76894 (22021108)
        259710.34   4021904.01   126.88444 (22021108)   259710.34
4021924.01   131.79232 (22021108)
        259710.34   4021944.01   135.16706 (22021108)   259710.34
4021964.01   136.67657 (22021108)
        259710.34   4021984.01   136.38767 (18120308)   259710.34
4022004.01   140.88353 (21121408)
        259710.34   4022024.01   149.56955 (21120808)   259730.34
4021844.01   107.35607 (22121508)
        259730.34   4021864.01   110.70134 (22121508)   259730.34
4021884.01   117.10866 (22021108)
        259730.34   4021904.01   126.14490 (22021108)   259730.34
4021924.01   134.53252 (22021108)
        259730.34   4021944.01   141.92410 (22021108)   259730.34
4021964.01   147.94387 (22021108)
        259730.34   4021984.01   152.18657 (22021108)   259730.34
4022004.01   154.22028 (22021108)
        259730.34   4022024.01   154.88947 (21121408)   259750.34
4021844.01   110.98878 (22022108)
        259750.34   4021864.01   114.74949 (22022108)   259750.34
4021884.01   119.48252 (22121508)
        259750.34   4021904.01   124.17120 (22121508)   259750.34
4021924.01   130.20137 (22021108)
        259750.34   4021944.01   141.02754 (22021108)   259750.34
4021964.01   151.20056 (22021108)
        259750.34   4021984.01   160.32558 (22021108)   259750.34
4022004.01   167.95112 (22021108)
        259750.34   4022024.01   173.53860 (22021108)   259770.34
4021844.01   111.64187 (22022108)
        259770.34   4021864.01   117.61115 (22022108)   259770.34
4021884.01   123.33747 (22022108)
        259770.34   4021904.01   128.71397 (22022108)   259770.34
4021924.01   133.64436 (22121508)
        259770.34   4021944.01   140.15130 (22121508)   259770.34
4021964.01   146.02732 (22121508)
        259770.34   4021984.01   159.16197 (22021108)   259770.34
4022004.01   171.75870 (22021108)
        259770.34   4022024.01   183.34476 (22021108)   259790.34
4021844.01   113.65659 (19010908)
        259790.34   4021864.01   118.33162 (19010908)   259790.34
4021884.01   122.85868 (19010908)
        259790.34   4021904.01   129.59414 (22022108)   259790.34

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4021924.01      137.26738  (22022108)
        259790.34   4021944.01      144.75476  (22022108)                259790.34
4021964.01      151.95094  (22022108)
        259790.34   4021984.01      159.27590  (22121508)                259790.34
4022004.01      167.82933  (22121508)
        259790.34   4022024.01      181.67700  (22021108)                259810.34
4021844.01      112.82075  (19010908)
        259810.34   4021864.01      119.17056  (19010908)                259810.34
4021884.01      125.62431  (19010908)
        259810.34   4021904.01      132.15429  (19010908)                259810.34
4021924.01      138.71399  (19010908)
        259810.34   4021944.01      145.25588  (19010908)                259810.34
4021964.01      152.99584  (22022108)
        259810.34   4021984.01      163.20725  (22022108)                259810.34
4022004.01      173.45493  (22022108)
        259810.34   4022024.01      183.70474  (22022108)                259830.34
4021844.01      106.01029  (19010908)
        259830.34   4021864.01      113.45955  (19010908)                259830.34
4021884.01      121.26447  (19010908)
        259830.34   4021904.01      129.42008  (19010908)                259830.34
4021924.01      137.89972  (19010908)
        259830.34   4021944.01      146.67991  (19010908)                259830.34
4021964.01      155.72457  (19010908)
        259830.34   4021984.01      165.05422  (19010908)                259830.34
4022004.01      174.70336  (19010908)
        259830.34   4022024.01      184.68979  (19010908)                259850.34
4021844.01      103.87456  (19012208)
        259850.34   4021864.01      109.48541  (19012208)                259850.34
4021884.01      115.41448  (19012208)
        259850.34   4021904.01      121.69401  (19012208)                259850.34
4021924.01      129.10879  (19010908)
        259850.34   4021944.01      139.33784  (19010908)                259850.34
4021964.01      150.14723  (19010908)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 392
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	161.58046	(19010908)	259850.34	4022004.01	173.68665	(19010908)
259850.34	4022024.01	186.46393	(19010908)	259870.34	4021844.01	98.32433	(19012208)
259870.34	4021864.01	104.49409	(19012208)	259870.34	4021884.01	111.11024	(19012208)
259870.34	4021904.01	118.22448	(19012208)	259870.34	4021924.01	125.87426	(19012208)
259870.34	4021944.01	134.11214	(19012208)	259870.34	4021964.01	142.98090	(19012208)
259870.34	4021984.01	152.56285	(19012208)	259870.34	4022004.01	162.95659	(19012208)
259870.34	4022024.01	177.15231	(19010908)	259890.34	4021844.01	101.18202	(18012508)
259890.34	4021864.01	106.11890	(18012508)	259890.34	4021884.01	111.48621	(18012508)
259890.34	4021904.01	117.37520	(18012508)	259890.34	4021924.01	123.83886	(18012508)
259890.34	4021944.01	130.95150	(18012508)	259890.34	4021964.01	138.81872	(18012508)
259890.34	4021984.01	147.58167	(18012508)	259890.34	4022004.01	157.38850	(18012508)
259890.34	4022024.01	169.28760	(19012208)	259910.34	4021844.01	109.52444	(18012508)
259910.34	4021864.01	115.01933	(18012508)	259910.34	4021884.01	120.99024	(18012508)
259910.34	4021904.01	127.51902	(18012508)	259910.34	4021924.01	134.65111	(18012508)
259910.34	4021944.01	142.46442	(18012508)	259910.34	4021964.01	151.06457	(18012508)
259910.34	4021984.01	160.57216	(18012508)	259910.34	4022004.01	171.12005	(18012508)
259910.34	4022024.01	182.90435	(18012508)	259930.34	4021844.01	112.24169	(18012508)
259930.34	4021864.01	117.84395	(18012508)	259930.34	4021884.01	123.92346	(18012508)
259930.34	4021904.01	130.54563	(18012508)	259930.34	4021924.01	137.76688	(18012508)

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        259930.34   4021944.01      145.66642  (18012508)                259950.34
4021844.01      108.96004  (18012508)
        259950.34   4021864.01      114.20168  (18012508)                259950.34
4021884.01      119.88505  (18012508)
        259950.34   4021904.01      126.43992  (18120608)                259950.34
4021924.01      133.60694  (18120608)
        259950.34   4021944.01      142.76531  (19121908)                259970.34
4021844.01      113.24161  (19121908)
        259970.34   4021864.01      121.06070  (19121908)                259970.34
4021884.01      129.43196  (19121908)
        259970.34   4021904.01      138.38159  (19121908)                259970.34
4021924.01      147.94634  (19121908)
        259970.34   4021944.01      158.15940  (19121908)                259990.34
4021844.01      124.21304  (19121908)
        259990.34   4021864.01      131.46557  (19121908)                259990.34
4021884.01      139.08997  (19121908)
        259990.34   4021904.01      147.09093  (19121908)                259990.34
4021924.01      155.50589  (19121908)
        259990.34   4021944.01      164.36375  (19121908)                260122.80
4022046.18      192.12654  (18121808)
        260142.80   4022066.18      193.12618  (18021908)                260142.80
4022086.18      206.81099  (18021908)
        260142.80   4022106.18      211.55513  (18021908)                260142.80
4022126.18      222.54826  (18022108)
        260142.80   4022146.18      225.23928  (18022108)                260142.80
4022166.18      234.76741  (20122408)
        260162.80   4022066.18      188.87628  (18021908)                260162.80
4022086.18      192.53971  (18021908)
        260162.80   4022106.18      201.66949  (18022108)                260162.80
4022126.18      206.08953  (18022108)
        260162.80   4022146.18      210.48826  (20122408)                260162.80
4022166.18      218.10297  (20122408)
        260182.80   4022066.18      176.44845  (18021908)                260182.80
4022086.18      183.85318  (18022108)
        260182.80   4022106.18      189.48373  (18022108)                260182.80
4022126.18      188.76728  (22122008)
        260182.80   4022146.18      200.40335  (20122408)                260182.80
4022166.18      201.51162  (22020108)
        260202.80   4022066.18      168.45224  (18022108)                260202.80
4022086.18      174.84935  (18022108)
        260202.80   4022106.18      172.46411  (18022108)                260202.80
4022126.18      182.95411  (20122408)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                   PAGE 393
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	186.96546	(20122408)	260202.80	4022166.18	186.98706	(22020108)
260095.45	4022187.01	290.77729	(20122408)	260095.45	4022207.01	299.24512	(20122408)
260095.45	4022227.01	314.53314	(20022408)	260095.45	4022247.01	326.38123	(18011208)
260095.45	4022267.01	323.01702	(21123108)	260115.45	4022187.01	269.34728	(20122408)
260115.45	4022207.01	268.01628	(22020108)	260115.45	4022227.01	285.83819	(18011208)
260115.45	4022247.01	293.83779	(18011208)	260115.45	4022267.01	291.47644	(21123108)
260135.45	4022187.01	244.69495	(20122408)	260135.45	4022207.01	240.07996	(22020108)
260135.45	4022227.01	264.29204	(18011208)	260135.45	4022247.01	267.40703	(18011208)
260135.45	4022267.01	266.03694	(21123108)	260155.45	4022187.01	224.29787	(22020108)
260155.45	4022207.01	227.26373	(20022408)	260155.45	4022227.01	245.41614	(18011208)
260155.45	4022247.01	245.34522	(18011208)	260155.45	4022267.01	244.98439	(21123108)
260175.45	4022187.01	204.28148	(22020108)	260175.45	4022207.01	214.73526	(20022408)
260175.45	4022227.01	228.80479	(18011208)	260175.45	4022247.01	226.47614	(18011208)
260175.45	4022267.01	227.17296	(21123108)	260195.45	4022187.01	186.47171	(18121008)
260195.45	4022207.01	202.66953	(20022408)	260195.45			

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4022227.01      214.00705  (18011208)
        260195.45   4022247.01      211.23895  (21123108)                260195.45
4022267.01      211.80039  (21123108)
        260063.43   4022072.23      223.73044  (19010108)                260063.43
4022092.23      234.35747  (18121808)
        260063.43   4022112.23      260.41443  (18121808)                260083.43
4022072.23      216.65327  (18121808)
        260083.43   4022092.23      235.66197  (18121808)                260083.43
4022112.23      249.15741  (18121808)
        260103.43   4022072.23      213.64640  (18121808)                260103.43
4022092.23      221.28375  (18121808)
        260103.43   4022112.23      240.70891  (18021908)                260243.42
4022062.81      151.06046  (18022108)
        260243.42   4022082.81      149.83159  (22122808)                260243.42
4022102.81      159.95771  (20122408)
        260243.42   4022122.81      162.88394  (20122408)                260243.42
4022142.81      163.69027  (22020108)
        260243.42   4022162.81      158.20558  (18121008)                260243.42
4022182.81      165.40784  (20022408)
        260243.42   4022202.81      178.53849  (18011208)                260243.42
4022222.81      184.25481  (18011208)
        260243.42   4022242.81      181.64897  (21123108)                260243.42
4022262.81      182.86671  (21123108)
        260243.42   4022282.81      176.59079  (19012508)                260243.42
4022302.81      177.18811  (19012508)
        260243.42   4022322.81      177.41707  (19121808)                260243.42
4022342.81      180.22800  (19121808)
        260243.42   4022362.81      174.81632  (19121808)                260243.42
4022382.81      172.83717  (22122608)
        260243.42   4022402.81      173.21190  (22122608)                260243.42
4022422.81      173.02026  (20012108)
        260263.42   4022362.81      166.74151  (19121808)                260263.42
4022382.81      161.88567  (22122608)
        260263.42   4022402.81      164.76298  (22122608)                260263.42
4022422.81      163.53253  (20012108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 394
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                    INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
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, L0000267    , L0000268    , L0000269    ,
                L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259429.52               259488.16               259546.80
      259605.44               259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    116.25131 (18020808)    125.60877 (18020808)    124.64014 (20012208)
   119.04186 (21021108)    118.89066 (22011408)
 4022649.6 |    142.84257 (19122008)    144.79212 (19122008)    157.20759 (18020808)
   156.35825 (20012208)    145.66974 (21021108)
 4022606.1 |    171.88455 (22010408)    185.90634 (19122008)    204.38923 (19021208)
   210.87536 (18020808)    209.11635 (20012208)
 4022562.6 |    214.12762 (22020708)    261.05900 (21120208)    292.41894 (22010408)
   332.90792 (21021908)    355.29283 (19021208)
 4022519.1 |    227.48210 (20120208)    370.66654 (20120208)    674.17918 (20120208)
   653.52321 (20021308)    703.30376 (20021308)
 4022475.5 |    183.31354 (21120108)    250.92930 (22021808)    242.67429 (19121708)
   219.56409 (22010608)    218.15093 (18022108)
 4022432.0 |    136.07100 (19120908)    141.75009 (19121708)    133.91776 (19020608)
   127.11266 (22021808)    140.31339 (22021808)
 4022388.5 |    100.32732 (19121708)     99.35048 (19020608)     96.22339 (22021108)
    99.44413 (22021808)    106.39486 (22021808)
 4022345.0 |     77.86679 (22011708)     76.41823 (19020608)     77.80430 (22021108)
    78.08559 (19120908)     82.97371 (19121708)
 4022301.5 |     64.94305 (19020608)     62.73416 (22021108)     65.49434 (22021108)
    67.61853 (19121708)     70.06307 (19121708)
 4022257.9 |     54.29652 (19020608)     56.42448 (22021108)     56.83241 (19121708)
    58.73610 (22011708)     60.74768 (22011708)
 4022214.4 |     47.97883 (19121708)     50.71376 (22021108)     50.88566 (22011708)
    52.28548 (22011708)     54.56882 (19020608)
 4022170.9 |     43.72367 (22011708)     45.79481 (22021108)     46.17813 (22011708)
    47.69289 (19020608)     50.12423 (19020608)
 4022127.4 |     40.61733 (22011708)     41.64982 (22021108)     42.50767 (19020608)
    44.60776 (19020608)     47.44528 (19020608)
 4022083.9 |     37.88214 (22021108)     38.45156 (19020608)     40.23453 (19020608)
    42.45667 (19020608)     45.59533 (19020608)
 4022040.3 |     35.49890 (22021108)     36.66920 (19020608)     38.44485 (19020608)
    40.70804 (19020608)     42.71047 (19020608)
 4021996.8 |     33.74115 (19020608)     35.14734 (19020608)     36.73331 (19020608)
    37.91225 (19020608)     39.72204 (20020708)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	259722.72	259781.36	259840.00	259898.64	259957.28
4022693.1	111.06570 (21010108)	114.07317 (21012608)	121.09531 (20120408)	116.86053 (18022208)	128.93012 (18020908)
4022649.6	139.35483 (22011408)	130.53283 (21010108)	139.24123 (21122208)	146.38777 (21122408)	151.93845 (18020908)
4022606.1	183.82849 (21021108)	166.50810 (22011408)	157.58969 (21012608)	172.66071 (20120408)	187.43706 (20121708)
4022562.6	312.97004 (20012208)	250.25499 (20012108)	218.67957 (20012108)	210.97766 (21122208)	231.87372 (20121708)
4022519.1	661.93300 (18121709)	709.73390 (22121609)	414.55015 (22012708)	294.06795 (22012708)	292.68869 (20121008)
4022475.5	254.59490 (20021708)	347.42286 (20021708)	597.61420 (20021708)		

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  877.99937 (20022408)    634.03316 (20021808)
 4022432.0 |    159.98862 (22021808)    186.12363 (22021808)    212.57063 (22021808)
  288.38053 (18022108)    358.04575 (19121208)
 4022388.5 |    111.18552 (22021808)    119.66756 (19121708)    129.90426 (22010608)
  162.89024 (18021908)    207.20081 (18022108)
 4022345.0 |     88.35577 (19121708)     91.76888 (22010608)     98.71222 (19121908)
  115.61618 (22020208)    174.30066 (21022208)
 4022301.5 |     72.71608 (22011708)     76.87085 (19020608)     81.71666 (19121908)
  103.83615 (22021808)    170.86129 (22020908)
 4022257.9 |     63.72722 (19020608)     66.94868 (19020608)     76.97391 (19020608)
  103.34238 (19020608)    174.80270 (22021108)
 4022214.4 |     57.36831 (19020608)     62.98464 (19020608)     76.95323 (19020608)
  100.57459 (19020608)    177.30053 (22021108)
 4022170.9 |     53.96127 (19020608)     62.11617 (19020608)     73.85609 (19020608)
   98.36269 (22021108)    155.25468 (22022108)
 4022127.4 |     52.52059 (19020608)     58.87902 (19020608)     69.68505 (21120808)
   98.77695 (22021108)    126.10576 (19010908)
 4022083.9 |     49.31987 (19020608)     54.97503 (21120808)     68.49417 (22021108)
   85.20631 (22021108)    101.05969 (19010908)
 4022040.3 |     45.60309 (21120808)     52.58103 (21121408)     68.20703 (22021108)
   78.97158 (22022108)     83.44098 (19012208)
 4021996.8 |     44.69160 (21120808)     52.67140 (22021108)     62.18848 (22021108)
   69.78463 (22022108)     70.89414 (19012208)
 4021953.3 |     42.73445 (21121408)     52.27019 (22021108)     56.10548 (22121508)
   62.83237 (19010908)     60.17811 (19012208)
 4021909.8 |     42.91503 (22021108)     49.07414 (22021108)     52.82260 (22022108)
   55.87625 (19010908)     51.28086 (19012208)
 4021866.3 |     42.52920 (22021108)     43.58827 (22121508)     48.82998 (22022108)
   48.70273 (19010908)     47.30970 (18012508)
 4021822.7 |     40.59719 (22021108)     41.85224 (22121508)     44.76851 (19010908)
   44.22147 (19012208)     44.34711 (18012508)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53

                                   PAGE 396
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                   INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                   L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                   L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                   L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,
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*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260015.92	260074.56	260133.20	260191.84	260250.48
4022693.1	118.64777 (18122408)	100.53875 (21011308)	84.77787 (18011808)	74.12872 (22121308)	64.83835 (21021008)
4022649.6	144.20811 (18122408)	121.11912 (21021708)	88.41346 (19122508)	80.38497 (22011308)	71.48015 (20012108)
4022606.1	178.56702 (18122408)	147.47016 (21021708)	103.28862 (22121308)	86.06917 (20012108)	83.00121 (20012108)
4022562.6	237.91731 (18122408)	172.82965 (18011808)	114.19486 (22011308)	105.09279 (20012108)	97.32719 (22122608)
4022519.1	353.53225 (18122408)	187.78118 (18011808)	158.49433 (19121808)	142.56286 (19121808)	125.94071 (19121808)
4022475.5	744.53048 (21010109)	348.78439 (19121808)	228.27228 (19012508)	177.08020 (19012508)	143.70061 (19012508)
4022432.0	603.53452 (18020908)	487.16540 (20022408)	296.93592 (21123108)	216.55934 (21123108)	163.99429 (21123108)
4022388.5	683.85298 (18020908)	342.07828 (20022408)	278.93375 (20022408)	221.39046 (18011208)	171.82744 (18011208)
4022345.0	597.09139 (21010109)	306.76557 (18022108)	222.29560 (22020108)	178.19659 (20022408)	166.65308 (20022408)
4022301.5	643.23283 (19112808)	283.09271 (18022108)	203.30540 (20122408)	171.52599 (22020108)	141.17627 (18121008)
4022257.9	671.30576 (19112808)	260.58511 (18021908)	192.09495 (18022108)	160.11979 (20122408)	139.49896 (22020108)
4022214.4	324.06702 (19112808)	232.78042 (22020208)	179.33792 (18021908)	150.46639 (18022108)	132.00080 (20122408)
4022170.9	199.29375 (18012508)	203.67660 (22121208)	159.62985 (18121808)	139.62128 (18021908)	123.05782 (18022108)
4022127.4	145.49901 (18012508)	167.13009 (22121208)	137.38193 (22020208)	126.98306 (18021908)	114.51837 (18022108)
4022083.9	114.65804 (18012508)	132.51508 (22010708)	123.93322 (21011208)	114.60570 (18121808)	107.84799 (18021908)
4022040.3	94.59013 (18012508)	113.74402 (19121908)	105.28246 (22121208)	97.23886 (18121808)	92.14880 (18121808)
4021996.8	80.51810 (18012508)	98.34194 (19121908)	98.52723 (22121208)	89.98761 (19010108)	88.09543 (18121808)
4021953.3	70.04059 (18012508)	85.31495 (19121908)	87.83544 (22121208)	81.92106 (21011208)	76.71014 (18121808)
4021909.8	62.01050 (18012508)	74.54693 (19121908)	76.40079 (22121208)	72.38704 (21011208)	69.62308 (22020208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260309.12	260367.76	260426.40	260485.04	260543.68
4022693.1	60.05523 (20012108)	58.91626 (20012108)	57.48849 (20012108)	55.27054 (20012108)	52.35724 (20012108)
4022649.6	69.25751 (20012108)	66.55246 (20012108)	63.37525 (22122608)	60.54404 (22122608)	56.97505 (22122608)
4022606.1	79.31280 (22122608)	74.56971 (22122608)	68.65532 (22122608)	62.91726 (18021308)	57.62000 (18021308)
4022562.6	87.98497 (19121808)	82.81002 (19121808)	77.40140 (19121808)	72.02771 (19121808)	67.00878 (19121808)
4022519.1	110.52737 (19121808)	97.31393 (19121808)	86.18810 (19121808)	76.89191 (19121808)	69.21350 (19121808)
4022475.5	120.40114 (19012508)	103.23661 (19012508)	90.11473 (19012508)	79.65654 (19012508)	71.29212 (19012508)
4022432.0	128.06785 (21123108)	107.34925 (19012508)	94.77721 (19012508)	84.57993 (19012508)	76.31975 (19012508)
4022388.5	141.34980 (21123108)	122.88128 (21123108)	106.33340 (21123108)		

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    91.84251 (21123108)     79.59080 (21123108)
 4022345.0 |    144.78185 (18011208)    124.44957 (18011208)    103.33438 (18011208)
    90.37510 (21123108)     83.23280 (21123108)
 4022301.5 |    123.00830 (20022408)    117.55205 (20022408)    105.91767 (18011208)
    96.07842 (18011208)     84.53343 (18011208)
 4022257.9 |    114.79694 (22020108)    104.84252 (18121008)     92.95399 (20022408)
    89.86814 (20022408)     83.03094 (20022408)
 4022214.4 |    117.18544 (22020108)    101.26981 (22020108)     90.28116 (18121008)
    81.31352 (18121008)     73.73078 (20022408)
 4022170.9 |    111.57114 (20122408)    100.26584 (20122408)     89.98105 (22020108)
    77.32589 (18121008)     73.08746 (18121008)
 4022127.4 |    103.30232 (18022108)     95.62990 (20122408)     88.17945 (20122408)
    80.21102 (22020108)     68.58401 (22020108)
 4022083.9 |     98.42859 (18022108)     88.10111 (18022108)     82.85196 (22122008)
    78.21407 (20122408)     71.66286 (22020108)
 4022040.3 |     92.36334 (18021908)     85.99877 (18022108)     76.19550 (18022108)
    72.93988 (22122008)     69.87114 (20122408)
 4021996.8 |     83.23428 (18021908)     79.10090 (18021908)     75.98880 (18022108)
    67.52969 (22122808)     64.73292 (22122008)
 4021953.3 |     74.71137 (18121808)     75.35377 (18021908)     67.60170 (18021908)
    67.68780 (18022108)     60.38539 (22122808)
 4021909.8 |     71.37779 (18121808)     65.27445 (18021908)     67.54979 (18021908)
    61.52529 (18022108)     60.72086 (18022108)
 4021866.3 |     63.55719 (18121808)     62.47901 (18121808)     61.53478 (18021908)
    60.04138 (18021908)     56.45552 (18022108)
 4021822.7 |     55.37960 (22020208)     59.74475 (18121808)     55.01395 (19122408)
    57.13476 (18021908)     53.09431 (18021908)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                   PAGE 398
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                   INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                  L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
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  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       260602.32
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- - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |     50.43411 (22122608)
 4022649.6 |     52.94937 (22122608)
 4022606.1 |     52.50030 (19121808)
 4022562.6 |     62.25185 (19121808)
 4022519.1 |     62.69994 (19121808)
 4022475.5 |     64.36339 (19012508)
 4022432.0 |     69.32268 (19012508)
 4022388.5 |     69.14405 (21123108)
 4022345.0 |     76.05873 (21123108)
 4022301.5 |     72.73578 (18011208)
 4022257.9 |     77.21839 (18011208)
 4022214.4 |     72.08800 (20022408)
 4022170.9 |     65.27086 (18121008)
 4022127.4 |     64.58517 (18121008)
 4022083.9 |     63.54644 (22020108)
 4022040.3 |     64.04324 (22020108)
 4021996.8 |     62.80293 (20122408)
 4021953.3 |     57.91143 (22122008)
 4021909.8 |     54.58528 (22122808)
 4021866.3 |     54.74784 (18022108)
 4021822.7 |     51.88748 (18022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 399
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                    INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                  L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259632.90	4022073.46	43.40160	(19020608)	259632.90	4022093.46	44.19308	(19020608)
259632.90	4022113.46	45.04864	(19020608)	259632.90	4022133.46	46.08519	(19020608)
259632.90	4022153.46	47.40533	(19020608)	259632.90	4022173.46	49.00581	(19020608)
259632.90	4022193.46	50.85172	(19020608)	259632.90	4022213.46	52.85898	(19020608)
259632.90	4022233.46	55.73974	(22011708)	259652.90	4022073.46	44.41194	(19020608)
259652.90	4022093.46	45.31758	(19020608)	259652.90	4022113.46	46.15233	(19020608)
259652.90	4022133.46	47.06541	(19020608)	259652.90	4022153.46	48.28186	(19020608)
259652.90	4022173.46	49.84967	(19020608)	259652.90	4022193.46	51.75059	(19020608)
259652.90	4022213.46	53.92189	(19020608)	259652.90	4022233.46	56.25860	(19020608)
259672.90	4022073.46	45.57552	(19020608)	259672.90	4022093.46	46.67502	(19020608)
259672.90	4022113.46	47.51136	(19020608)	259672.90	4022133.46	48.31067	(19020608)
259672.90	4022153.46	49.34958	(19020608)	259672.90	4022173.46	50.77156	(19020608)
259672.90	4022193.46	52.62281	(19020608)	259672.90	4022213.46	54.88106	(19020608)
259672.90	4022233.46	57.41899	(19020608)	259692.90	4022073.46	46.77051	(19020608)
259692.90	4022093.46	48.20334	(19020608)	259692.90	4022113.46	49.12426	(19020608)
259692.90	4022133.46	49.84764	(19020608)	259692.90	4022153.46	50.67970	(19020608)
259692.90	4022173.46	51.86633	(19020608)	259692.90	4022193.46	53.54318	(19020608)
259692.90	4022213.46	55.77846	(19020608)	259692.90	4022233.46	58.44973	(19020608)
259712.90	4022073.46	47.65983	(19020608)	259712.90	4022093.46	49.72155	(19020608)
259712.90	4022113.46	50.95043	(19020608)	259712.90	4022133.46	51.69920	(19020608)
259712.90	4022153.46	52.35353	(19020608)	259712.90	4022173.46	53.25884	(19020608)
259712.90	4022193.46	54.65076	(19020608)	259712.90			

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4022213.46       56.71699  (19020608)
        259712.90   4022233.46       59.39328  (19020608)                259732.90
4022073.46       48.28580  (20020708)
        259732.90   4022093.46       50.99174  (19020608)                259732.90
4022113.46       52.87128  (19020608)
        259732.90   4022133.46       53.86116  (19020608)                259732.90
4022153.46       54.44770  (19020608)
        259732.90   4022173.46       55.08395  (19020608)                259732.90
4022193.46       56.14161  (19020608)
        259732.90   4022213.46       57.87207  (19020608)                259732.90
4022233.46       60.34699  (19020608)
        259752.90   4022073.46       50.10434  (20020708)                259752.90
4022093.46       51.71086  (19020608)
        259772.90   4022073.46       53.32536  (21120808)                259772.90
4022093.46       53.65743  (20020708)
        259792.90   4022073.46       56.63936  (21120808)                259792.90
4022093.46       57.36507  (21120808)
        259812.90   4022073.46       59.62650  (21121408)                259812.90
4022093.46       61.32279  (21120808)
        259832.90   4022073.46       66.07736  (22021108)                259832.90
4022093.46       65.19554  (21121408)
        259920.63   4022125.03      104.55637  (22021108)                259920.63
4022145.03      114.43904  (22021108)
        259920.63   4022165.03      119.49994  (22021108)                259940.63
4022105.03      108.93105  (22022108)
        259940.63   4022125.03      118.79393  (22022108)                259940.63
4022145.03      125.66667  (22022108)
        259940.63   4022165.03      133.09442  (22021108)                259960.63
4022105.03      113.23635  (19010908)
        259960.63   4022125.03      126.13722  (19010908)                259960.63
4022145.03      137.78823  (19010908)
        259960.63   4022165.03      155.25156  (22022108)                259980.63
4022105.03      112.97087  (19012208)
        259980.63   4022125.03      127.17286  (19012208)                259980.63
4022145.03      143.15796  (19012208)
        259980.63   4022165.03      165.35971  (19010908)                260000.63
4022105.03      120.04498  (19112808)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 400
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                    INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                 L0000254    , L0000255    , L0000256    , L0000257    , L0000258
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, L0000259    , L0000260    , L0000261    ,
                L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        260000.63   4022125.03      132.94361  (19112808)               260000.63
4022145.03      148.74322  (19112808)
        260000.63   4022165.03      168.35860  (19112808)               259550.34
4021844.01       30.76988  (21120808)
        259550.34   4021864.01       31.03222  (21120808)               259550.34
4021884.01       31.22154  (21120808)
        259550.34   4021904.01       32.03645  (20020708)               259550.34
4021924.01       32.72620  (20020708)
        259550.34   4021944.01       33.43632  (19020608)               259550.34
4021964.01       34.99278  (19020608)
        259550.34   4021984.01       36.18637  (19020608)               259550.34
4022004.01       37.14975  (19020608)
        259550.34   4022024.01       37.95457  (19020608)               259570.34
4021844.01       31.48910  (21120808)
        259570.34   4021864.01       31.87894  (21120808)               259570.34
4021884.01       32.14414  (21120808)
        259570.34   4021904.01       32.34002  (21120808)               259570.34
4021924.01       33.25878  (20020708)
        259570.34   4021944.01       33.98439  (20020708)               259570.34
4021964.01       35.02810  (19020608)
        259570.34   4021984.01       36.53701  (19020608)               259570.34
4022004.01       37.72308  (19020608)
        259570.34   4022024.01       38.64780  (19020608)               259590.34
4021844.01       32.11021  (21120808)
        259590.34   4021864.01       32.70665  (21120808)               259590.34
4021884.01       33.12382  (21120808)
        259590.34   4021904.01       33.40709  (21120808)               259590.34
4021924.01       33.66341  (20020708)
        259590.34   4021944.01       34.64052  (20020708)               259590.34
4021964.01       35.33563  (20020708)
        259590.34   4021984.01       36.72107  (19020608)               259590.34
4022004.01       38.22674  (19020608)
        259590.34   4022024.01       39.35376  (19020608)               259610.34
4021844.01       32.63364  (21121408)
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        259610.34   4021864.01       33.39287  (21120808)                259610.34
4021884.01       34.05188  (21120808)
        259610.34   4021904.01       34.50282  (21120808)                259610.34
4021924.01       34.79437  (21120808)
        259610.34   4021944.01       35.13562  (20020708)                259610.34
4021964.01       36.10244  (20020708)
        259610.34   4021984.01       36.77057  (20020708)                259610.34
4022004.01       38.57667  (19020608)
        259610.34   4022024.01       40.02220  (19020608)                259630.34
4021844.01       33.66114  (21121408)
        259630.34   4021864.01       34.04267  (21121408)                259630.34
4021884.01       34.79636  (21120808)
        259630.34   4021904.01       35.52144  (21120808)                259630.34
4021924.01       36.00311  (21120808)
        259630.34   4021944.01       36.30162  (21120808)                259630.34
4021964.01       36.71637  (20020708)
        259630.34   4021984.01       37.68745  (20020708)                259630.34
4022004.01       38.65623  (19020608)
        259630.34   4022024.01       40.56061  (19020608)                259650.34
4021844.01       34.93033  (22021108)
        259650.34   4021864.01       35.13996  (21121408)                259650.34
4021884.01       35.58561  (21121408)
        259650.34   4021904.01       36.32584  (21120808)                259650.34
4021924.01       37.13331  (21120808)
        259650.34   4021944.01       37.66418  (21120808)                259650.34
4021964.01       37.96480  (21120808)
        259650.34   4021984.01       38.46781  (20020708)                259650.34
4022004.01       39.44569  (20020708)
        259650.34   4022024.01       40.84462  (19020608)                259670.34
4021844.01       36.90866  (22021108)
        259670.34   4021864.01       36.77571  (22021108)                259670.34
4021884.01       36.77680  (21121408)
        259670.34   4021904.01       37.30480  (21121408)                259670.34
4021924.01       38.02358  (21120808)
        259670.34   4021944.01       38.93049  (21120808)                259670.34
4021964.01       39.49459  (21120808)
        259670.34   4021984.01       39.79259  (21120808)                259670.34
4022004.01       40.39940  (20020708)
        259670.34   4022024.01       41.34087  (20020708)                259690.34
4021844.01       38.98035  (22021108)
        259690.34   4021864.01       39.00643  (22021108)                259690.34
4021884.01       38.86836  (22021108)
        259690.34   4021904.01       38.67090  (18120308)                259690.34
4021924.01       39.22208  (21121408)
        259690.34   4021944.01       39.91941  (21120808)                259690.34
4021964.01       40.92567  (21120808)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        16:36:53
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0000249 , L0000250 , L0000251 , L0000252 , L0000253 ,
L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 ,
L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 ,
L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	41.53181	(21120808)	259690.34	4022004.01	41.82758	(21120808)
259690.34	4022024.01	42.51630	(20020708)	259710.34	4021844.01	40.85118	(22021108)
259710.34	4021864.01	41.23740	(22021108)	259710.34	4021884.01	41.34436	(22021108)
259710.34	4021904.01	41.23772	(22021108)	259710.34	4021924.01	40.98344	(22021108)
259710.34	4021944.01	41.37913	(21121408)	259710.34	4021964.01	42.02425	(21120808)
259710.34	4021984.01	43.15613	(21120808)	259710.34	4022004.01	43.81548	(21120808)
259710.34	4022024.01	44.08576	(21120808)	259730.34	4021844.01	42.14490	(22021108)
259730.34	4021864.01	43.11754	(22021108)	259730.34	4021884.01	43.72061	(22021108)
259730.34	4021904.01	43.98301	(22021108)	259730.34	4021924.01	43.94950	(22021108)
259730.34	4021944.01	43.69918	(22021108)	259730.34	4021964.01	43.79119	(21121408)
259730.34	4021984.01	44.38320	(21120808)	259730.34	4022004.01	45.67009	(21120808)
259730.34	4022024.01	46.36861	(21120808)	259750.34	4021844.01	42.42268	(22021108)
259750.34	4021864.01	44.19041	(22021108)	259750.34			

4021884.01 45.55359 (22021108)
259750.34 4021904.01 46.48256 (22021108) 259750.34
4021924.01 46.97244 (22021108)
259750.34 4021944.01 47.06490 (22021108) 259750.34
4021964.01 46.82627 (22021108)
259750.34 4021984.01 46.51865 (21121408) 259750.34
4022004.01 47.15487 (21121408)
259750.34 4022024.01 48.51741 (21120808) 259770.34
4021844.01 41.67678 (22121508)
259770.34 4021864.01 43.95095 (22021108) 259770.34
4021884.01 46.26830 (22021108)
259770.34 4021904.01 48.14498 (22021108) 259770.34
4021924.01 49.50926 (22021108)
259770.34 4021944.01 50.32873 (22021108) 259770.34
4021964.01 50.62433 (22021108)
259770.34 4021984.01 50.45941 (22021108) 259770.34
4022004.01 49.93806 (22021108)
259770.34 4022024.01 50.41642 (21121408) 259790.34
4021844.01 43.60950 (22121508)
259790.34 4021864.01 44.58591 (22121508) 259790.34
4021884.01 45.27686 (22021108)
259790.34 4021904.01 48.27093 (22021108) 259790.34
4021924.01 50.80838 (22021108)
259790.34 4021944.01 52.76979 (22021108) 259790.34
4021964.01 54.07478 (22021108)
259790.34 4021984.01 54.69976 (22021108) 259790.34
4022004.01 54.68571 (22021108)
259790.34 4022024.01 54.17273 (22021108) 259810.34
4021844.01 45.33493 (22022108)
259810.34 4021864.01 46.24601 (22022108) 259810.34
4021884.01 47.62705 (22121508)
259810.34 4021904.01 48.79175 (22121508) 259810.34
4021924.01 50.09187 (22021108)
259810.34 4021944.01 53.47634 (22021108) 259810.34
4021964.01 56.23804 (22021108)
259810.34 4021984.01 58.23577 (22021108) 259810.34
4022004.01 59.37952 (22021108)
259810.34 4022024.01 59.68366 (22021108) 259830.34
4021844.01 46.46903 (22022108)
259830.34 4021864.01 48.29196 (22022108) 259830.34
4021884.01 49.82575 (22022108)
259830.34 4021904.01 51.01865 (22022108) 259830.34
4021924.01 52.51702 (22121508)
259830.34 4021944.01 53.93167 (22121508) 259830.34
4021964.01 55.99513 (22021108)
259830.34 4021984.01 59.82949 (22021108) 259830.34
4022004.01 62.82264 (22021108)
259830.34 4022024.01 64.77452 (22021108) 259850.34
4021844.01 47.04017 (19010908)
259850.34 4021864.01 48.25270 (22022108) 259850.34

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL   ***
                                   INCLUDING SOURCE(S):   L0000249   , L0000250
, L0000251   , L0000252   , L0000253   ,
                L0000254   , L0000255   , L0000256   , L0000257   , L0000258
, L0000259   , L0000260   , L0000261   ,
                L0000262   , L0000263   , L0000264   , L0000265   , L0000266
, L0000267   , L0000268   , L0000269   ,
                L0000270   , L0000271   , L0000272   , L0000273   , L0000274
, L0000275   , L0000276   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259850.34   4021984.01   60.30025 (22121508)   259850.34
4022004.01   63.39299 (22021108)
        259850.34   4022024.01   67.76760 (22021108)   259870.34
4021844.01   48.04942 (19010908)
        259870.34   4021864.01   50.10278 (19010908)   259870.34
4021884.01   51.99711 (19010908)
        259870.34   4021904.01   53.70208 (19010908)   259870.34
4021924.01   56.17187 (22022108)
        259870.34   4021944.01   59.38298 (22022108)   259870.34
4021964.01   62.16979 (22022108)
        259870.34   4021984.01   64.38498 (22022108)   259870.34
4022004.01   66.25609 (22121508)
        259870.34   4022024.01   68.48221 (22121508)   259890.34
4021844.01   46.60107 (19010908)
        259890.34   4021864.01   49.49396 (19010908)   259890.34
4021884.01   52.38776 (19010908)

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        259890.34   4021904.01       55.25995  (19010908)                259890.34
4021924.01       58.02101  (19010908)
        259890.34   4021944.01       60.58118  (19010908)                259890.34
4021964.01       62.80172  (19010908)
        259890.34   4021984.01       67.00601  (22022108)                259890.34
4022004.01       70.89275  (22022108)
        259890.34   4022024.01       74.07138  (22022108)                259910.34
4021844.01       46.61066  (19012208)
        259910.34   4021864.01       48.56847  (19012208)                259910.34
4021884.01       50.52383  (19012208)
        259910.34   4021904.01       53.27708  (19010908)                259910.34
4021924.01       57.24112  (19010908)
        259910.34   4021944.01       61.27633  (19010908)                259910.34
4021964.01       65.25233  (19010908)
        259910.34   4021984.01       69.03493  (19010908)                259910.34
4022004.01       72.44585  (19010908)
        259910.34   4022024.01       76.63771  (22022108)                259930.34
4021844.01       45.89270  (19012208)
        259930.34   4021864.01       48.46233  (19012208)                259930.34
4021884.01       51.15441  (19012208)
        259930.34   4021904.01       53.96492  (19012208)                259930.34
4021924.01       56.86794  (19012208)
        259930.34   4021944.01       59.83638  (19012208)                259950.34
4021844.01       44.17867  (18012508)
        259950.34   4021864.01       45.40951  (18012508)                259950.34
4021884.01       48.47636  (19012208)
        259950.34   4021904.01       51.86311  (19012208)                259950.34
4021924.01       55.51507  (19012208)
        259950.34   4021944.01       59.44375  (19012208)                259970.34
4021844.01       48.55497  (18012508)
        259970.34   4021864.01       50.28750  (18012508)                259970.34
4021884.01       52.13675  (18012508)
        259970.34   4021904.01       54.12996  (18012508)                259970.34
4021924.01       56.21931  (18012508)
        259970.34   4021944.01       58.41542  (18012508)                259990.34
4021844.01       51.85187  (18012508)
        259990.34   4021864.01       54.04886  (18012508)                259990.34
4021884.01       56.44591  (18012508)
        259990.34   4021904.01       59.11498  (18012508)                259990.34
4021924.01       61.97746  (18012508)
        259990.34   4021944.01       65.07211  (18012508)                260122.80
4022046.18      113.24832  (22121208)
        260142.80   4022066.18      115.68040  (19010108)                260142.80
4022086.18      122.42024  (19010108)
        260142.80   4022106.18      127.24028  (22020208)                260142.80
4022126.18      135.68403  (18121808)
        260142.80   4022146.18      146.78892  (18121808)                260142.80
4022166.18      152.47704  (18121808)
        260162.80   4022066.18      110.25348  (22020208)                260162.80
4022086.18      114.11519  (18121808)
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        260162.80   4022106.18      125.44848  (18121808)                260162.80
4022126.18      133.56126  (18121808)
        260162.80   4022146.18      137.37253  (18121808)                260162.80
4022166.18      149.07961  (18021908)
        260182.80   4022066.18      107.77672  (18121808)                260182.80
4022086.18      116.37714  (18121808)
        260182.80   4022106.18      122.10992  (18121808)                260182.80
4022126.18      125.48250  (18021908)
        260182.80   4022146.18      136.54592  (18021908)                260182.80
4022166.18      142.96176  (18021908)
        260202.80   4022066.18      108.18675  (18121808)                260202.80
4022086.18      112.19681  (18121808)
        260202.80   4022106.18      116.25680  (18021908)                260202.80
4022126.18      126.06784  (18021908)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                   PAGE 403
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  HAUL     ***
                                   INCLUDING SOURCE(S):     L0000249    , L0000250
, L0000251    , L0000252    , L0000253    ,
                  L0000254    , L0000255    , L0000256    , L0000257    , L0000258
, L0000259    , L0000260    , L0000261    ,
                  L0000262    , L0000263    , L0000264    , L0000265    , L0000266
, L0000267    , L0000268    , L0000269    ,
                  L0000270    , L0000271    , L0000272    , L0000273    , L0000274
, L0000275    , L0000276    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        260202.80   4022146.18      131.96954  (18021908)                260202.80
4022166.18      133.91447  (18021908)
        260095.45   4022187.01      187.98513  (22020208)                260095.45
4022207.01      200.63487  (18121808)
        260095.45   4022227.01      214.22831  (18021908)                260095.45
4022247.01      223.06651  (18021908)
        260095.45   4022267.01      229.62426  (18021908)                260115.45
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4022187.01 175.97208 (18121808)
260115.45 4022207.01 187.17818 (18021908) 260115.45
4022227.01 196.01198 (18021908)
260115.45 4022247.01 201.00313 (18021908) 260115.45
4022267.01 209.00552 (18022108)
260135.45 4022187.01 166.84911 (18021908) 260135.45
4022207.01 175.84122 (18021908)
260135.45 4022227.01 180.04137 (18021908) 260135.45
4022247.01 186.99318 (18022108)
260135.45 4022267.01 192.94543 (18022108) 260155.45
4022187.01 159.50447 (18021908)
260155.45 4022207.01 163.38303 (18021908) 260155.45
4022227.01 169.77588 (18022108)
260155.45 4022247.01 174.90809 (18022108) 260155.45
4022267.01 177.02779 (18022108)
260175.45 4022187.01 149.43375 (18021908) 260175.45
4022207.01 155.46060 (18022108)
260175.45 4022227.01 160.17406 (18022108) 260175.45
4022247.01 161.87192 (18022108)
260175.45 4022267.01 168.72590 (20122408) 260195.45
4022187.01 143.15196 (18022108)
260195.45 4022207.01 147.82316 (18022108) 260195.45
4022227.01 149.29386 (18022108)
260195.45 4022247.01 154.77320 (20122408) 260195.45
4022267.01 162.04494 (20122408)
260063.43 4022072.23 131.39065 (19121908) 260063.43
4022092.23 142.99182 (19121908)
260063.43 4022112.23 155.60762 (22010708) 260083.43
4022072.23 125.41461 (22121208)
260083.43 4022092.23 140.44361 (22121208) 260083.43
4022112.23 155.63362 (22121208)
260103.43 4022072.23 129.91659 (22121208) 260103.43
4022092.23 137.72626 (22121208)
260103.43 4022112.23 142.87424 (22121208) 260243.42
4022062.81 100.03864 (18021908)
260243.42 4022082.81 107.99122 (18021908) 260243.42
4022102.81 113.14109 (18021908)
260243.42 4022122.81 115.05977 (18021908) 260243.42
4022142.81 120.40967 (18022108)
260243.42 4022162.81 124.80812 (18022108) 260243.42
4022182.81 125.80541 (18022108)
260243.42 4022202.81 128.80993 (22122008) 260243.42
4022222.81 135.73810 (20122408)
260243.42 4022242.81 139.63422 (20122408) 260243.42
4022262.81 142.55287 (22020108)
260243.42 4022282.81 143.42555 (22020108) 260243.42
4022302.81 143.41349 (18121008)
260243.42 4022322.81 147.95473 (18121008) 260243.42
4022342.81 166.85767 (20022408)
260243.42 4022362.81 177.93648 (20022408) 260243.42

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                    *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 259429.52   259488.16   259546.80
      259605.44   259664.08
 -
- -

 4022693.1 | 195.79519 (18011708)   200.82685 (20012208)   203.25500 (20010608)
   224.66315 (22011408)   232.28653 (21010108)
 4022649.6 | 211.91743 (18020808)   233.47758 (18020808)   242.52996 (20012208)
   251.69925 (20010608)   265.03670 (22011408)
 4022606.1 | 239.68622 (19122008)   257.86274 (19122008)   290.27253 (18020808)
   309.95303 (20012208)   325.65854 (22011408)
 4022562.6 | 256.15469 (21120208)   316.29421 (19122008)   362.40755 (19021208)
   406.09867 (19021208)   451.01846 (20012208)
 4022519.1 | 244.18973 (20120208)   385.14217 (20120208)   690.35183 (22012608)
   666.15925 (20021308)   715.89752 (20021308)
 4022475.5 | 187.16636 (21120108)   255.32758 (22021808)   246.69989 (19121708)
   228.57078 (21021908)   263.38292 (21022208)

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 4022432.0 |    138.45716 (19120908)    156.01222 (22020708)    179.84702 (21120208)
   206.80688 (22010408)    245.63734 (21021908)
 4022388.5 |    137.23661 (22012608)    154.03721 (22012608)    177.32719 (18011508)
   205.79383 (18011508)    245.49316 (22020708)
 4022345.0 |    136.83864 (20122108)    155.68086 (20120208)    179.09845 (20120208)
   207.98517 (20120208)    244.79541 (20120208)
 4022301.5 |    143.24938 (22021408)    161.44609 (22021408)    184.22648 (22021408)
   213.33719 (22021408)    252.02836 (22021408)
 4022257.9 |    137.20793 (21120108)    155.27227 (21120108)    178.55595 (20013108)
   208.76872 (20013108)    250.79323 (22021808)
 4022214.4 |    138.19198 (22021808)    159.91656 (22021808)    185.15649 (22021808)
   214.80103 (22021808)    254.79063 (19120908)
 4022170.9 |    141.75350 (22021808)    158.01783 (19120908)    181.96271 (19120908)
   204.35892 (19120908)    246.84519 (19121708)
 4022127.4 |    139.82919 (19120908)    151.06645 (19120908)    173.46589 (19121708)
   200.04487 (19121708)    230.64309 (22011708)
 4022083.9 |    129.95977 (19121708)    150.93973 (19121708)    165.62749 (22011708)
   187.03666 (22011708)    213.01573 (19020608)
 4022040.3 |    131.08718 (19121708)    143.39158 (22011708)    156.03603 (22011708)
   175.98268 (19020608)    182.89413 (19020608)
 4021996.8 |    125.63419 (22011708)    132.88497 (22011708)    148.43474 (19020608)
   158.07253 (19020608)    164.64481 (21120808)
 4021953.3 |    115.15257 (22011708)    127.52492 (19020608)    138.11383 (19020608)
   142.41525 (20020708)    156.40285 (21120808)
 4021909.8 |    111.14694 (19020608)    121.83091 (19020608)    123.06876 (20020708)
   131.97204 (21120808)    144.72843 (21121408)
 4021866.3 |    108.40445 (19020608)    106.38374 (20020708)    112.75283 (20020708)
   124.80864 (21120808)    143.36125 (22021108)
 4021822.7 |     95.92865 (19020608)    101.81165 (20020708)    109.25827 (21120808)
   117.18228 (21121408)    139.19611 (22021108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        16:36:53

                                    PAGE 405
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** NETWORK ID: BKGND    ;  NETWORK TYPE:
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GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	259722.72	259781.36	259840.00	259898.64	259957.28
4022693.1	250.86961 (21122208)	253.40232 (21122408)	245.88146 (20121708)	245.30851 (18020908)	237.99563 (18122408)
4022649.6	285.24457 (21012608)	290.27730 (21122408)	280.18757 (20121708)	277.04578 (18020908)	266.86599 (18122408)
4022606.1	327.77205 (21010108)	342.91760 (20120408)	326.64159 (20121708)	319.46514 (18020908)	304.63178 (18122408)
4022562.6	453.29923 (22011408)	437.65463 (21122208)	404.74566 (21122408)	382.04525 (18020908)	354.31280 (20012708)
4022519.1	684.54536 (18022008)	768.36810 (20010709)	559.26388 (20121008)	476.61686 (18020908)	427.40557 (21021708)
4022475.5	305.13971 (21022208)	373.60275 (20021708)	633.04309 (20021708)	924.19700 (20022408)	687.89880 (20021808)
4022432.0	302.58336 (19021208)	391.38985 (18011608)	530.93635 (21122208)	559.66282 (21111108)	561.72100 (21021708)
4022388.5	298.27348 (21120208)	396.46529 (19021208)	652.55596 (21022208)	685.94648 (21022408)	706.02549 (18111608)
4022345.0	298.09045 (18011508)	392.18209 (18011508)	622.72329 (21022208)	710.54623 (20112408)	790.14726 (18111608)
4022301.5	308.02610 (22021408)	404.57480 (20120208)	658.84315 (18022708)	726.74478 (18111608)	755.94180 (18111608)
4022257.9	317.30654 (22021808)	438.23728 (22021808)	749.71248 (22021808)	729.54522 (22020908)	743.19778 (20021808)
4022214.4	314.16820 (19120908)	419.89077 (19121708)	565.49059 (22021108)	592.06089 (22021108)	606.85424 (22020208)
4022170.9	297.45735 (22011708)	360.01130 (19020608)	426.56742 (22021108)	419.32917 (22022108)	443.06628 (19121908)
4022127.4	268.83209 (19020608)	293.60675 (21120808)	343.69709 (22021108)	331.41370 (22022108)	358.44730 (19121908)
4022083.9	225.52551 (20020708)	269.20874 (22021108)	283.01006 (22121508)	276.00034 (19010908)	302.21976 (19121908)
4022040.3	205.07083 (21120808)	246.15739 (22021108)	246.96429 (22022108)	233.00163 (19010908)	259.16272 (19121908)
4021996.8	188.67354 (22021108)	216.82749 (22021108)	217.65989 (19010908)	202.01605 (19012208)	223.68593 (19121908)
4021953.3	184.75877 (22021108)	188.94303 (22121508)	195.98781 (19010908)	177.95000 (18012508)	194.01470 (18012508)
4021909.8	172.26942 (22021108)	173.02265 (22022108)	175.54775 (19010908)	160.41051 (18012508)	175.24388 (18012508)
4021866.3	154.13972 (22021108)	158.68744 (22022108)	156.11940 (19010908)		

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                    *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

  Y-COORD | X-COORD (METERS)
  (METERS) | 260015.92   260074.56   260133.20
      260191.84   260250.48
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- -

 4022693.1 | 237.11778 (20012708)   237.14169 (18011808)   207.36893 (19122508)
  211.00390 (22011308)   188.60399 (21021008)
 4022649.6 | 267.91062 (20012708)   265.20936 (18011808)   243.67828 (22121308)
  225.80095 (21021008)   182.96348 (21021008)
 4022606.1 | 308.50673 (20012708)   293.08274 (18011808)   281.73531 (22011308)
  236.98870 (21021008)   207.31368 (18020608)
 4022562.6 | 371.55388 (20012708)   349.84118 (22121308)   309.02186 (21021008)
  250.33390 (18020608)   206.80621 (18020608)
 4022519.1 | 484.22652 (20012708)   451.63219 (22121308)   316.39499 (18020608)
  256.44889 (18020608)   223.02788 (22011008)
 4022475.5 | 842.39445 (18122408)   469.04298 (21021008)   333.51895 (18020608)
  272.04518 (22011008)   214.53029 (22120808)
 4022432.0 | 697.34251 (18122408)   519.01372 (20022408)   348.57652 (22011008)
  270.22432 (20012108)   231.66387 (20012108)
 4022388.5 | 780.64557 (19121608)   497.79930 (22011008)   352.50077 (20012108)
  278.58968 (20012108)   228.62427 (22122608)

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 4022345.0 |    731.70371 (20012408)    502.75892 (20012108)    351.01767 (19121808)
   283.44022 (19121808)    236.81314 (19121808)
 4022301.5 |    776.73636 (19112808)    514.63102 (20022408)    354.73023 (19121808)
   278.98909 (19012508)    232.53892 (21123108)
 4022257.9 |    819.62533 (19112808)    518.99856 (20022408)    365.07343 (18011208)
   291.46216 (18011208)    244.33826 (18011208)
 4022214.4 |    604.94846 (18021908)    488.83493 (18022108)    365.74542 (20122408)
   286.40325 (22020108)    232.22553 (20022408)
 4022170.9 |    439.79359 (22020208)    409.81379 (18021908)    351.70648 (18022108)
   288.89590 (20122408)    241.77958 (22020108)
 4022127.4 |    361.02617 (22121208)    343.93267 (18121808)    320.75829 (18021908)
   278.28639 (18022108)    237.31330 (20122408)
 4022083.9 |    311.73298 (22121208)    294.76227 (19010108)    278.27979 (18121808)
   259.54643 (18021908)    230.56673 (18022108)
 4022040.3 |    271.22773 (22121208)    262.58305 (21011208)    251.97967 (18121808)
   235.41895 (18021908)    214.19716 (18021908)
 4021996.8 |    238.35608 (19121908)    236.85234 (22121208)    220.38344 (22020208)
   215.89802 (18121808)    205.30608 (18021908)
 4021953.3 |    216.27197 (19121908)    219.02279 (22121208)    206.49295 (21011908)
   197.75724 (18121808)    178.82621 (19122408)
 4021909.8 |    197.02724 (19121908)    200.44129 (22121208)    188.82628 (21011208)
   172.41963 (22020208)    175.56830 (18121808)
 4021866.3 |    179.68841 (19121908)    181.28410 (22121208)    170.01925 (22121208)
   166.59365 (21011908)    161.51728 (18121808)
 4021822.7 |    163.87482 (19121908)    161.96180 (22121208)    163.88173 (22121208)
   157.33411 (21011908)    140.27939 (18121808)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       16:36:53

                                   PAGE 407
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
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  Y-COORD  |                                                    X-COORD (METERS)
  (METERS) |       260309.12               260367.76               260426.40
      260485.04               260543.68
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    158.50937 (18020608)    151.60921 (18020608)    126.13496 (22011209)
   124.30935 (22011008)    115.48349 (22011008)
 4022649.6 |    175.84107 (18020608)    145.50204 (18020608)    141.25308 (22011008)
   128.09770 (22011008)    110.40351 (22120808)
 4022606.1 |    171.73376 (18020608)    162.01266 (22011008)    142.94008 (22011008)
   122.82315 (22120808)    110.74145 (20012108)
 4022562.6 |    188.31947 (22011008)    160.87699 (22011008)    136.75067 (22120808)
   129.23810 (20012108)    122.15273 (20012108)
 4022519.1 |    183.22097 (22011008)    160.43065 (20012108)    149.89652 (20012108)
   136.43266 (20012108)    123.20247 (22122608)
 4022475.5 |    192.61132 (20012108)    172.19232 (20012108)    151.62732 (22122608)
   137.43165 (22122608)    122.47066 (22122608)
 4022432.0 |    196.00995 (22122608)    171.95974 (22122608)    148.03090 (22122608)
   135.47353 (19121808)    126.09588 (19121808)
 4022388.5 |    195.07713 (19121808)    174.40056 (19121808)    156.90555 (19121808)
   141.58550 (19121808)    128.07426 (19121808)
 4022345.0 |    200.71765 (19121808)    171.74410 (19121808)    152.93788 (19012508)
   139.55951 (19012508)    128.24724 (19012508)
 4022301.5 |    200.74036 (21123108)    177.76605 (21123108)    159.89926 (21123108)
   145.20990 (21123108)    132.38051 (21123108)
 4022257.9 |    211.17152 (18011208)    186.24907 (18011208)    165.95552 (18011208)
   148.76363 (21123108)    136.71242 (21123108)
 4022214.4 |    207.72533 (18011208)    187.31990 (18011208)    170.00019 (18011208)
   154.99457 (18011208)    141.26973 (18011208)
 4022170.9 |    203.82683 (22020108)    174.59457 (18121008)    157.72784 (20022408)
   147.41064 (18011208)    138.89563 (18011208)
 4022127.4 |    209.76761 (20122408)    182.35020 (22020108)    154.21505 (22020108)
   141.61937 (18121008)    126.92823 (18121008)
 4022083.9 |    200.13077 (22122008)    183.90509 (20122408)    162.91540 (22020108)
   142.64880 (22020108)    127.41378 (18121008)
 4022040.3 |    196.45771 (18022108)    172.20389 (22122008)    162.48148 (20122408)
   145.40013 (22020108)    131.47771 (22020108)
 4021996.8 |    183.07632 (18022108)    170.56011 (18022108)    150.49798 (22122808)
   144.47722 (20122408)    130.99976 (20122408)
 4021953.3 |    179.31758 (18021908)    161.85453 (18022108)    150.04817 (18022108)
   134.21278 (22122808)    129.09138 (20122408)
 4021909.8 |    162.96469 (18021908)    156.80393 (18021908)    144.62463 (18022108)
   133.35616 (18022108)    120.73661 (22122808)
 4021866.3 |    150.46472 (18121808)    148.62221 (18021908)    137.17838 (18021908)
   130.26194 (18022108)    119.53257 (18022108)
 4021822.7 |    146.97165 (18121808)    132.38120 (19122408)    134.77374 (18021908)
   120.04064 (18021908)    118.07423 (18022108)
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                   *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 260602.32
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- -

 4022693.1 | 99.65035 (22011008)
 4022649.6 | 98.33756 (22120808)
 4022606.1 | 107.83689 (20012108)
 4022562.6 | 112.49298 (20012108)
 4022519.1 | 114.18275 (22122608)
 4022475.5 | 109.48014 (18021308)
 4022432.0 | 117.38685 (19121808)
 4022388.5 | 116.06981 (19121808)
 4022345.0 | 118.54976 (19012508)
 4022301.5 | 120.79196 (21123108)
 4022257.9 | 126.30212 (21123108)
 4022214.4 | 128.29840 (18011208)
 4022170.9 | 130.15759 (18011208)
 4022127.4 | 121.07392 (20022408)
 4022083.9 | 118.16437 (18121008)
 4022040.3 | 113.16721 (22020108)
 4021996.8 | 120.74364 (22020108)
 4021953.3 | 119.82209 (20122408)
 4021909.8 | 115.99087 (20122408)
 4021866.3 | 109.36062 (22122808)
 4021822.7 | 107.80721 (18022108)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259632.90   4022073.46   193.28716 (19020608)   259632.90
4022093.46   197.44276 (22011708)
        259632.90   4022113.46   210.16971 (22011708)   259632.90
4022133.46   213.39949 (22011708)
        259632.90   4022153.46   221.94218 (19121708)   259632.90
4022173.46   220.31441 (19121708)
        259632.90   4022193.46   229.20646 (19120908)   259632.90
4022213.46   230.38300 (22021808)
        259632.90   4022233.46   233.69307 (22021808)   259652.90
4022073.46   204.10469 (19020608)
        259652.90   4022093.46   207.26663 (19020608)   259652.90
4022113.46   216.95424 (22011708)
        259652.90   4022133.46   227.32309 (22011708)   259652.90
4022153.46   233.51932 (19121708)
        259652.90   4022173.46   237.50154 (19121708)   259652.90
4022193.46   241.39837 (19120908)
        259652.90   4022213.46   245.31332 (19120908)   259652.90
4022233.46   249.18309 (22021808)
        259672.90   4022073.46   210.43029 (19020608)   259672.90
4022093.46   221.23265 (19020608)
        259672.90   4022113.46   223.60601 (19020608)   259672.90

4022133.46 238.58677 (22011708)
259672.90 4022153.46 245.60441 (22011708) 259672.90
4022173.46 254.54020 (19121708)
259672.90 4022193.46 253.42336 (19120908) 259672.90
4022213.46 262.76011 (19120908)
259672.90 4022233.46 266.59051 (22021808) 259692.90
4022073.46 210.97323 (19020608)
259692.90 4022093.46 230.05088 (19020608) 259692.90
4022113.46 241.13354 (19020608)
259692.90 4022133.46 245.33739 (22011708) 259692.90
4022153.46 262.36483 (22011708)
259692.90 4022173.46 270.51537 (19121708) 259692.90
4022193.46 274.38203 (19121708)
259692.90 4022213.46 281.80359 (19120908) 259692.90
4022233.46 286.47722 (22021808)
259712.90 4022073.46 215.62060 (20020708) 259712.90
4022093.46 231.62248 (19020608)
259712.90 4022113.46 252.76820 (19020608) 259712.90
4022133.46 264.28540 (19020608)
259712.90 4022153.46 274.98025 (22011708) 259712.90
4022173.46 288.23621 (22011708)
259712.90 4022193.46 298.26514 (19121708) 259712.90
4022213.46 302.54886 (19120908)
259712.90 4022233.46 309.58631 (22021808) 259732.90
4022073.46 224.14960 (21120808)
259732.90 4022093.46 235.87254 (20020708) 259732.90
4022113.46 255.89118 (19020608)
259732.90 4022133.46 279.78594 (19020608) 259732.90
4022153.46 291.88072 (19020608)
259732.90 4022173.46 309.01465 (22011708) 259732.90
4022193.46 322.01124 (19121708)
259732.90 4022213.46 324.76679 (19120908) 259732.90
4022233.46 336.91136 (22021808)
259752.90 4022073.46 234.96036 (21120808) 259752.90
4022093.46 247.78956 (21120808)
259772.90 4022073.46 255.09064 (22021108) 259772.90
4022093.46 259.20643 (22021108)
259792.90 4022073.46 273.41435 (22021108) 259792.90
4022093.46 287.09385 (22021108)
259812.90 4022073.46 278.02030 (22021108) 259812.90
4022093.46 298.77917 (22021108)
259832.90 4022073.46 272.34691 (22121508) 259832.90
4022093.46 296.96459 (22021108)
259920.63 4022125.03 332.37341 (19121908) 259920.63
4022145.03 370.69394 (19121908)
259920.63 4022165.03 416.70126 (19121908) 259940.63
4022105.03 319.80068 (19121908)
259940.63 4022125.03 349.32997 (19121908) 259940.63
4022145.03 384.09388 (19121908)
259940.63 4022165.03 426.75834 (19121908) 259960.63

4022105.03   328.19840 (19121908)
        259960.63   4022125.03   355.46993 (19121908)   259960.63
4022145.03   388.18554 (19121908)
        259960.63   4022165.03   429.04287 (19121908)   259980.63
4022105.03   330.39518 (19121908)
        259980.63   4022125.03   356.73588 (22121208)   259980.63
4022145.03   390.36579 (22121208)
        259980.63   4022165.03   430.34535 (22121208)   260000.63
4022105.03   334.22472 (22121208)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        260000.63   4022125.03   360.67911 (22121208)   260000.63
4022145.03   391.39152 (22121208)
        260000.63   4022165.03   428.28016 (22121208)   259550.34
4021844.01   111.17658 (21120808)
        259550.34   4021864.01   111.68294 (20020708)   259550.34
4021884.01   118.15991 (20020708)
        259550.34   4021904.01   122.83244 (20020708)   259550.34
4021924.01   125.34657 (20020708)
        259550.34   4021944.01   133.44238 (19020608)   259550.34
4021964.01   142.49541 (19020608)
        259550.34   4021984.01   148.12715 (19020608)   259550.34
4022004.01   149.93675 (19020608)

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        259550.34   4022024.01      147.67145  (19020608)               259570.34
4021844.01      116.07569  (21120808)
        259570.34   4021864.01      117.80374  (21120808)               259570.34
4021884.01      117.88486  (21120808)
        259570.34   4021904.01      124.42758  (20020708)               259570.34
4021924.01      129.81780  (20020708)
        259570.34   4021944.01      132.88271  (20020708)               259570.34
4021964.01      142.03023  (19020608)
        259570.34   4021984.01      151.50996  (19020608)               259570.34
4022004.01      157.28723  (19020608)
        259570.34   4022024.01      158.65795  (19020608)               259590.34
4021844.01      118.44581  (21120808)
        259590.34   4021864.01      122.55875  (21120808)               259590.34
4021884.01      125.08100  (21120808)
        259590.34   4021904.01      125.82143  (21120808)               259590.34
4021924.01      131.45591  (20020708)
        259590.34   4021944.01      137.68675  (20020708)               259590.34
4021964.01      141.23600  (20020708)
        259590.34   4021984.01      151.53963  (19020608)               259590.34
4022004.01      161.65123  (19020608)
        259590.34   4022024.01      167.41856  (19020608)               259610.34
4021844.01      120.77897  (21121408)
        259610.34   4021864.01      124.34733  (21120808)               259610.34
4021884.01      129.53094  (21120808)
        259610.34   4021904.01      133.02471  (21120808)               259610.34
4021924.01      134.56565  (21120808)
        259610.34   4021944.01      139.20282  (20020708)               259610.34
4021964.01      146.31609  (20020708)
        259610.34   4021984.01      150.50162  (20020708)               259610.34
4022004.01      162.28530  (19020608)
        259610.34   4022024.01      172.95795  (19020608)               259630.34
4021844.01      125.73448  (18120308)
        259630.34   4021864.01      128.32606  (21121408)               259630.34
4021884.01      130.58998  (21121408)
        259630.34   4021904.01      136.96457  (21120808)               259630.34
4021924.01      141.61516  (21120808)
        259630.34   4021944.01      144.16088  (21120808)               259630.34
4021964.01      147.69028  (20020708)
        259630.34   4021984.01      155.92630  (20020708)               259630.34
4022004.01      160.98930  (20020708)
        259630.34   4022024.01      174.34986  (19020608)               259650.34
4021844.01      135.69231  (22021108)
        259650.34   4021864.01      135.15021  (22021108)               259650.34
4021884.01      136.21880  (18120308)
        259650.34   4021904.01      139.72202  (21121408)               259650.34
4021924.01      144.87540  (21120808)
        259650.34   4021944.01      150.95374  (21120808)               259650.34
4021964.01      154.74609  (21120808)
        259650.34   4021984.01      157.15279  (20020708)               259650.34
4022004.01      166.76930  (20020708)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	172.03180	(21120808)	259690.34	4022004.01	179.35089	(21120808)
259690.34	4022024.01	183.53792	(21120808)	259710.34	4021844.01	148.22401	(22021108)
259690.34	4021864.01	153.40119	(22021108)	259690.34	4021884.01	157.34937	(22021108)
259690.34	4021904.01	159.89100	(22021108)	259690.34	4021924.01	160.83950	(22021108)
259690.34	4021944.01	160.46366	(18120308)	259690.34	4021964.01	164.80017	(21121408)
259670.34	4021984.01	166.42081	(21120808)	259670.34	4022004.01	168.90555	(21120808)
259670.34	4021944.01	153.31826	(21120808)	259670.34	4021964.01	161.06379	(21120808)
259670.34	4021904.01	146.57436	(22021108)	259670.34	4021924.01	149.44664	(21121408)
259670.34	4021864.01	146.44195	(22021108)	259670.34	4021884.01	147.25802	(22021108)
259650.34	4022024.01	172.80256	(20020708)	259670.34	4021844.01	144.22871	(22021108)

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4021844.01      146.96602  (22021108)
        259710.34   4021864.01      154.98956  (22021108)                259710.34
4021884.01      162.11330  (22021108)
        259710.34   4021904.01      168.12217  (22021108)                259710.34
4021924.01      172.77576  (22021108)
        259710.34   4021944.01      175.83971  (22021108)                259710.34
4021964.01      177.03485  (22021108)
        259710.34   4021984.01      177.72093  (21121408)                259710.34
4022004.01      183.92678  (21120808)
        259710.34   4022024.01      193.65531  (21120808)                259730.34
4021844.01      143.90025  (22121508)
        259730.34   4021864.01      150.84561  (22021108)                259730.34
4021884.01      160.82927  (22021108)
        259730.34   4021904.01      170.12791  (22021108)                259730.34
4021924.01      178.48202  (22021108)
        259730.34   4021944.01      185.62328  (22021108)                259730.34
4021964.01      191.24756  (22021108)
        259730.34   4021984.01      195.06012  (22021108)                259730.34
4022004.01      196.73029  (22021108)
        259730.34   4022024.01      199.25960  (21121408)                259750.34
4021844.01      147.78498  (22121508)
        259750.34   4021864.01      153.41793  (22121508)                259750.34
4021884.01      158.52821  (22121508)
        259750.34   4021904.01      165.55197  (22021108)                259750.34
4021924.01      177.17380  (22021108)
        259750.34   4021944.01      188.09244  (22021108)                259750.34
4021964.01      198.02682  (22021108)
        259750.34   4021984.01      206.69063  (22021108)                259750.34
4022004.01      213.74995  (22021108)
        259750.34   4022024.01      218.80207  (22021108)                259770.34
4021844.01      151.29054  (22022108)
        259770.34   4021864.01      157.15051  (22022108)                259770.34
4021884.01      162.65341  (22022108)
        259770.34   4021904.01      168.83172  (22121508)                259770.34
4021924.01      175.59128  (22121508)
        259770.34   4021944.01      182.96992  (22021108)                259770.34
4021964.01      196.62331  (22021108)
        259770.34   4021984.01      209.62138  (22021108)                259770.34
4022004.01      221.69676  (22021108)
        259770.34   4022024.01      232.57754  (22021108)                259790.34
4021844.01      151.09517  (19010908)
        259790.34   4021864.01      157.12678  (22022108)                259790.34
4021884.01      164.90273  (22022108)
        259790.34   4021904.01      172.49466  (22022108)                259790.34
4021924.01      179.84934  (22022108)
        259790.34   4021944.01      186.92631  (22022108)                259790.34
4021964.01      195.58931  (22121508)
        259790.34   4021984.01      204.12480  (22121508)                259790.34
4022004.01      220.07887  (22021108)
        259790.34   4022024.01      235.84973  (22021108)                259810.34
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4021844.01   153.71992 (19010908)
        259810.34   4021864.01   160.10002 (19010908)   259810.34
4021884.01   166.45039 (19010908)
        259810.34   4021904.01   172.77498 (19010908)   259810.34
4021924.01   180.09245 (22022108)
        259810.34   4021944.01   189.80852 (22022108)   259810.34
4021964.01   199.46755 (22022108)
        259810.34   4021984.01   209.10064 (22022108)   259810.34
4022004.01   219.23394 (22121508)
        259810.34   4022024.01   230.94401 (22121508)   259830.34
4021844.01   150.35954 (19010908)
        259830.34   4021864.01   158.27455 (19010908)   259830.34
4021884.01   166.34147 (19010908)
        259830.34   4021904.01   174.56254 (19010908)   259830.34
4021924.01   182.91720 (19010908)
        259830.34   4021944.01   191.40458 (19010908)   259830.34
4021964.01   200.01360 (19010908)
        259830.34   4021984.01   209.54773 (22022108)   259830.34
4022004.01   222.09499 (22022108)
        259830.34   4022024.01   234.99445 (22022108)   259850.34
4021844.01   142.18225 (19012208)
        259850.34   4021864.01   150.23933 (19010908)   259850.34
4021884.01   159.61886 (19010908)
        259850.34   4021904.01   169.35596 (19010908)   259850.34
4021924.01   179.40745 (19010908)
        259850.34   4021944.01   189.77066 (19010908)   259850.34
4021964.01   200.41285 (19010908)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	211.42709	(19010908)	259850.34	4022004.01	222.92699	(19010908)
259850.34	4022024.01	234.96018	(19010908)	259870.34	4021844.01	140.25268	(19012208)
259870.34	4021864.01	147.09774	(19012208)	259870.34	4021884.01	154.28665	(19012208)
259870.34	4021904.01	161.87323	(19012208)	259870.34	4021924.01	169.88683	(19012208)
259870.34	4021944.01	180.73331	(19010908)	259870.34	4021964.01	193.19108	(19010908)
259870.34	4021984.01	206.15175	(19010908)	259870.34	4022004.01	219.60299	(19010908)
259870.34	4022024.01	233.70464	(19010908)	259890.34	4021844.01	134.34321	(18012508)
259890.34	4021864.01	140.54155	(19012208)	259890.34	4021884.01	148.46821	(19012208)
259890.34	4021904.01	156.91844	(19012208)	259890.34	4021924.01	165.90972	(19012208)
259890.34	4021944.01	175.47876	(19012208)	259890.34	4021964.01	185.66268	(19012208)
259890.34	4021984.01	196.54054	(19012208)	259890.34	4022004.01	208.20785	(19010908)
259890.34	4022024.01	224.52505	(19010908)	259910.34	4021844.01	145.51871	(18012508)
259910.34	4021864.01	151.62885	(18012508)	259910.34	4021884.01	158.22266	(18012508)
259910.34	4021904.01	165.39645	(18012508)	259910.34	4021924.01	173.18664	(18012508)
259910.34	4021944.01	181.67266	(18012508)	259910.34	4021964.01	190.94945	(18012508)
259910.34	4021984.01	201.14417	(18012508)	259910.34	4022004.01	212.39719	(18012508)
259910.34	4022024.01	224.96324	(18012508)	259930.34	4021844.01	152.00542	(18012508)
259930.34	4021864.01	158.44696	(18012508)	259930.34	4021884.01	165.37646	(18012508)
259930.34	4021904.01	172.86487	(18012508)	259930.34	4021924.01	180.95511	(18012508)
259930.34	4021944.01	189.72366	(18012508)	259950.34	4021844.01	153.13871	(18012508)
259950.34	4021864.01	159.61120	(18012508)	259950.34	4021884.01	166.57258	(18012508)
259950.34	4021904.01	174.07665	(18012508)	259950.34	4021924.01	182.16835	(18012508)

```
        259950.34   4021944.01      190.92256  (18012508)                259970.34
4021844.01      148.68937  (18012508)
        259970.34   4021864.01      156.88548  (19121908)                259970.34
4021884.01      166.26549  (19121908)
        259970.34   4021904.01      176.29190  (19121908)                259970.34
4021924.01      186.98083  (19121908)
        259970.34   4021944.01      198.37199  (19121908)                259990.34
4021844.01      161.70767  (19121908)
        259990.34   4021864.01      170.13136  (19121908)                259990.34
4021884.01      179.01298  (19121908)
        259990.34   4021904.01      188.38977  (19121908)                259990.34
4021924.01      198.25561  (19121908)
        259990.34   4021944.01      208.65358  (19121908)                260122.80
4022046.18      256.24942  (18121808)
        260142.80   4022066.18      264.43763  (18121808)                260142.80
4022086.18      276.40484  (18021908)
        260142.80   4022106.18      297.78834  (18021908)                260142.80
4022126.18      313.05144  (18021908)
        260142.80   4022146.18      321.93477  (18022108)                260142.80
4022166.18      338.30436  (18022108)
        260162.80   4022066.18      256.75031  (18021908)                260162.80
4022086.18      275.14613  (18021908)
        260162.80   4022106.18      287.72084  (18021908)                260162.80
4022126.18      293.39499  (18022108)
        260162.80   4022146.18      308.77459  (18022108)                260162.80
4022166.18      313.63271  (18022108)
        260182.80   4022066.18      255.70310  (18021908)                260182.80
4022086.18      266.27993  (18021908)
        260182.80   4022106.18      270.30046  (18021908)                260182.80
4022126.18      284.06232  (18022108)
        260182.80   4022146.18      289.71696  (18022108)                260182.80
4022166.18      291.46877  (20122408)
        260202.80   4022066.18      247.83123  (18021908)                260202.80
4022086.18      250.92783  (18021908)
        260202.80   4022106.18      262.81327  (18022108)                260202.80
4022126.18      269.17604  (18022108)
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_CONSTRUCTION
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        16:36:53

                                  PAGE 413
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
```

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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        260202.80   4022146.18      266.96879  (18022108)               260202.80
4022166.18      279.35075  (20122408)
        260095.45   4022187.01      411.43813  (18021908)               260095.45
4022207.01      436.86254  (18022108)
        260095.45   4022227.01      443.46039  (18022108)               260095.45
4022247.01      439.88371  (20122408)
        260095.45   4022267.01      446.37869  (20022408)               260115.45
4022187.01      385.63755  (18022108)
        260115.45   4022207.01      393.35822  (18022108)               260115.45
4022227.01      397.48883  (20122408)
        260115.45   4022247.01      391.22853  (20022408)               260115.45
4022267.01      396.68701  (18011208)
        260135.45   4022187.01      354.61225  (18022108)               260135.45
4022207.01      359.91154  (20122408)
        260135.45   4022227.01      361.07409  (20122408)               260135.45
4022247.01      356.74466  (18011208)
        260135.45   4022267.01      360.58568  (18011208)               260155.45
4022187.01      326.16684  (20122408)
        260155.45   4022207.01      333.87787  (20122408)               260155.45
4022227.01      327.73703  (20122408)
        260155.45   4022247.01      329.86867  (18011208)               260155.45
4022267.01      331.38692  (18011208)
        260175.45   4022187.01      308.42067  (20122408)               260175.45
4022207.01      307.94282  (20122408)
        260175.45   4022227.01      301.01576  (22020108)               260175.45
4022247.01      307.08635  (18011208)
        260175.45   4022267.01      307.06906  (18011208)               260195.45
4022187.01      288.96750  (20122408)
        260195.45   4022207.01      284.32233  (22020108)               260195.45
4022227.01      277.11870  (22020108)
        260195.45   4022247.01      287.52075  (18011208)               260195.45
4022267.01      286.39596  (18011208)
        260063.43   4022072.23      289.16904  (21011208)               260063.43
4022092.23      306.72367  (19010108)
        260063.43   4022112.23      324.38236  (19010108)               260083.43
```

4022072.23   281.86427 (19010108)
        260083.43   4022092.23   298.62174 (18121808)   260083.43
4022112.23   323.57500 (18121808)
        260103.43   4022072.23   279.08277 (18121808)   260103.43
4022092.23   298.91821 (18121808)
        260103.43   4022112.23   315.77444 (18121808)   260243.42
4022062.81   225.90705 (18022108)
        260243.42   4022082.81   234.23640 (18022108)   260243.42
4022102.81   235.74826 (18022108)
        260243.42   4022122.81   236.89482 (22122008)   260243.42
4022142.81   247.14507 (20122408)
        260243.42   4022162.81   249.16914 (20122408)   260243.42
4022182.81   246.27680 (22020108)
        260243.42   4022202.81   240.65111 (22020108)   260243.42
4022222.81   241.96441 (18011208)
        260243.42   4022242.81   249.62217 (18011208)   260243.42
4022262.81   248.17472 (18011208)
        260243.42   4022282.81   243.13324 (21123108)   260243.42
4022302.81   236.64841 (21123108)
        260243.42   4022322.81   234.12257 (19121808)   260243.42
4022342.81   241.68025 (19121808)
        260243.42   4022362.81   238.50374 (19121808)   260243.42
4022382.81   232.24565 (22122608)
        260243.42   4022402.81   234.55709 (22122608)   260243.42
4022422.81   237.02396 (20012108)
        260263.42   4022362.81   226.45379 (19121808)   260263.42
4022382.81   218.02443 (19121808)
        260263.42   4022402.81   221.98454 (22122608)   260263.42
4022422.81   222.92806 (20012108)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD (43824
HRS) RESULTS ***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
             **

                      NETWORK
GROUP ID   AVERAGE CONC   RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG) OF TYPE GRID-ID
- -
- - - - - - - - - - - - - - - - - - -

```
ONSITE    1ST HIGHEST VALUE IS     41.95259 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     41.12836 AT (  259898.64,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     40.80132 AT (  259957.28,  4022257.94,    67.50,
   67.50,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     39.78560 AT (  259898.64,  4022257.94,    67.40,
   67.40,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     38.64298 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     38.34814 AT (  259898.64,  4022344.98,    67.30,
   67.30,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     28.61886 AT (  259898.64,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     28.40976 AT (  259957.28,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          9TH HIGHEST VALUE IS     22.03132 AT (  260015.92,  4022257.94,    67.80,
   67.80,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS     20.51201 AT (  259840.00,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND

HAUL      1ST HIGHEST VALUE IS     30.32279 AT (  259840.00,  4022475.54,    68.20,
   68.20,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     25.15126 AT (  260015.92,  4022432.02,    70.20,
   72.50,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     24.14417 AT (  259781.36,  4022519.06,    68.10,
   68.10,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     23.52871 AT (  259957.28,  4022475.54,    70.60,
   71.80,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     22.66873 AT (  260015.92,  4022388.50,    68.50,
   71.40,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     21.61692 AT (  259898.64,  4022475.54,    69.60,
   69.60,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     20.96963 AT (  260015.92,  4022344.98,    68.20,
   68.20,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     18.95924 AT (  259664.08,  4022519.06,    68.40,
   68.40,    0.00)  GC  BKGND
          9TH HIGHEST VALUE IS     18.92923 AT (  260015.92,  4022301.46,    67.90,
   67.90,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS     18.81483 AT (  260015.92,  4022475.54,    72.00,
   72.00,    0.00)  GC  BKGND

ALL       1ST HIGHEST VALUE IS     47.06170 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     45.33193 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     44.15664 AT (  259957.28,  4022257.94,    67.50,
   67.50,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     43.92004 AT (  259898.64,  4022301.46,    67.30,
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67.30,   0.00) GC BKGND
       5TH HIGHEST VALUE IS   42.26854 AT (259898.64, 4022344.98,   67.30,
67.30,   0.00) GC BKGND
       6TH HIGHEST VALUE IS   41.78904 AT (259898.64, 4022257.94,   67.40,
67.40,   0.00) GC BKGND
       7TH HIGHEST VALUE IS   39.33665 AT (260015.92, 4022301.46,   67.90,
67.90,   0.00) GC BKGND
       8TH HIGHEST VALUE IS   37.42007 AT (259957.28, 4022388.50,   67.20,
67.20,   0.00) GC BKGND
       9TH HIGHEST VALUE IS   37.03215 AT (260015.92, 4022344.98,   68.20,
68.20,   0.00) GC BKGND
      10TH HIGHEST VALUE IS   34.66127 AT (259898.64, 4022388.50,   67.20,
67.20,   0.00) GC BKGND

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR
                     DC = DISCCART
                     DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
            **

                                                      DATE
                                          NETWORK
GROUP ID   AVERAGE CONC   (YYMMDDHH)   RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)   OF TYPE GRID-ID
- -
- -

ONSITE   HIGH   1ST HIGH VALUE IS   699.90269 ON 20021808: AT (259957.28,
4022257.94,   67.50,   67.50,   0.00) GC BKGND

HAUL   HIGH   1ST HIGH VALUE IS   877.99937 ON 20022408: AT (259898.64,
4022475.54,   69.60,   69.60,   0.00) GC BKGND

ALL   HIGH   1ST HIGH VALUE IS   924.19700 ON 20022408: AT (259898.64,
4022475.54,   69.60,   69.60,   0.00) GC BKGND

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1361 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   680 Calm Hours Identified

A Total of   681 Missing Hours Identified (1.55 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   4751   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187   4751   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 7/18/2025
** File: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik Hanford_Ops
DPM\Maverik Hanford_Ops DPM.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Maverik Hanford_Ops DPM
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 59938 City_of_Hanford
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Maverik Hanford_Ops DPM.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = ONSITE
** DESCRSRC Onsite truck circulation
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 11
** 259911.112, 4022273.619, 67.36, 2.55, 4.19
** 259911.470, 4022323.459, 67.31, 2.55, 4.19
** 259910.753, 4022341.028, 67.28, 2.55, 4.19
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** 259910.036, 4022349.633, 67.28, 2.55, 4.19
** 259908.602, 4022360.032, 67.27, 2.55, 4.19
** 259901.789, 4022368.279, 67.25, 2.55, 4.19
** 259890.674, 4022371.506, 67.24, 2.55, 4.19
** 259878.124, 4022371.147, 67.25, 2.55, 4.19
** 259869.519, 4022364.693, 67.25, 2.55, 4.19
** 259867.726, 4022356.088, 67.27, 2.55, 4.19
** 259865.574, 4022265.372, 67.36, 2.55, 4.19
** ----------------------------------------------------------------------
   LOCATION L0000094     VOLUME   259911.144 4022278.119 67.35
   LOCATION L0000095     VOLUME   259911.209 4022287.118 67.34
   LOCATION L0000096     VOLUME   259911.273 4022296.118 67.33
   LOCATION L0000097     VOLUME   259911.338 4022305.118 67.32
   LOCATION L0000098     VOLUME   259911.403 4022314.118 67.31
   LOCATION L0000099     VOLUME   259911.468 4022323.117 67.30
   LOCATION L0000100     VOLUME   259911.117 4022332.110 67.29
   LOCATION L0000101     VOLUME   259910.747 4022341.103 67.28
   LOCATION L0000102     VOLUME   259909.976 4022350.069 67.27
   LOCATION L0000103     VOLUME   259908.746 4022358.984 67.26
   LOCATION L0000104     VOLUME   259903.543 4022366.155 67.26
   LOCATION L0000105     VOLUME   259895.791 4022370.020 67.25
   LOCATION L0000106     VOLUME   259887.004 4022371.401 67.25
   LOCATION L0000107     VOLUME   259878.031 4022371.077 67.25
   LOCATION L0000108     VOLUME   259870.831 4022365.677 67.25
   LOCATION L0000109     VOLUME   259868.018 4022357.488 67.26
   LOCATION L0000110     VOLUME   259867.546 4022348.520 67.27
   LOCATION L0000111     VOLUME   259867.333 4022339.522 67.28
   LOCATION L0000112     VOLUME   259867.120 4022330.525 67.29
   LOCATION L0000113     VOLUME   259866.906 4022321.527 67.29
   LOCATION L0000114     VOLUME   259866.693 4022312.530 67.30
   LOCATION L0000115     VOLUME   259866.479 4022303.532 67.31
   LOCATION L0000116     VOLUME   259866.266 4022294.535 67.32
   LOCATION L0000117     VOLUME   259866.053 4022285.537 67.33
   LOCATION L0000118     VOLUME   259865.839 4022276.540 67.34
   LOCATION L0000119     VOLUME   259865.626 4022267.543 67.35
** End of LINE VOLUME Source ID = ONSITE
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = IDLE
** DESCRSRC
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 2
** 259878.483, 4022328.763, 67.29, 2.55, 4.19
** 259914.339, 4022328.478, 67.29, 2.55, 4.19
** ----------------------------------------------------------------------
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   LOCATION L0000120     VOLUME   259882.983 4022328.727 67.29
   LOCATION L0000121     VOLUME   259891.982 4022328.656 67.29
   LOCATION L0000122     VOLUME   259900.982 4022328.584 67.29
   LOCATION L0000123     VOLUME   259909.982 4022328.513 67.30
** End of LINE VOLUME Source ID = IDLE
   LOCATION GEN          POINT      259929.310  4022315.120       67.290
** DESCRSRC Backup Generator
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OFF1
** DESCRSRC SR-198 Offramp
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.1207098436
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 14
** 259556.945, 4022513.804, 68.47, 2.55, 4.19
** 259596.156, 4022515.789, 68.46, 2.55, 4.19
** 259635.863, 4022518.768, 68.29, 2.55, 4.19
** 259679.045, 4022520.257, 68.08, 2.55, 4.19
** 259708.825, 4022521.249, 68.36, 2.55, 4.19
** 259735.131, 4022519.760, 68.27, 2.55, 4.19
** 259760.941, 4022514.300, 68.06, 2.55, 4.19
** 259799.655, 4022504.870, 68.08, 2.55, 4.19
** 259853.756, 4022487.994, 68.18, 2.55, 4.19
** 259881.055, 4022478.564, 69.17, 2.55, 4.19
** 259905.376, 4022472.112, 70.15, 2.55, 4.19
** 259938.630, 4022467.645, 71.33, 2.55, 4.19
** 259968.411, 4022466.652, 71.80, 2.55, 4.19
** 260013.578, 4022464.667, 72.77, 2.55, 4.19
** ----------------------------------------------------------------------
   LOCATION L0000448     VOLUME   259561.440 4022514.032 68.42
   LOCATION L0000449     VOLUME   259570.428 4022514.487 68.42
   LOCATION L0000450     VOLUME   259579.417 4022514.942 68.43
   LOCATION L0000451     VOLUME   259588.405 4022515.397 68.44
   LOCATION L0000452     VOLUME   259597.392 4022515.882 68.44
   LOCATION L0000453     VOLUME   259606.366 4022516.555 68.43
   LOCATION L0000454     VOLUME   259615.341 4022517.228 68.43
   LOCATION L0000455     VOLUME   259624.316 4022517.901 68.42
   LOCATION L0000456     VOLUME   259633.291 4022518.575 68.43
   LOCATION L0000457     VOLUME   259642.280 4022518.989 68.43
   LOCATION L0000458     VOLUME   259651.274 4022519.299 68.42
   LOCATION L0000459     VOLUME   259660.269 4022519.609 68.41
   LOCATION L0000460     VOLUME   259669.264 4022519.919 68.41
   LOCATION L0000461     VOLUME   259678.258 4022520.229 68.42
   LOCATION L0000462     VOLUME   259687.253 4022520.530 68.44
   LOCATION L0000463     VOLUME   259696.248 4022520.830 68.45
   LOCATION L0000464     VOLUME   259705.243 4022521.130 68.46
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   LOCATION L0000465     VOLUME   259714.233 4022520.943 68.46
   LOCATION L0000466     VOLUME   259723.218 4022520.434 68.43
   LOCATION L0000467     VOLUME   259732.204 4022519.926 68.40
   LOCATION L0000468     VOLUME   259741.068 4022518.504 68.34
   LOCATION L0000469     VOLUME   259749.873 4022516.642 68.25
   LOCATION L0000470     VOLUME   259758.678 4022514.779 68.17
   LOCATION L0000471     VOLUME   259767.438 4022512.718 68.10
   LOCATION L0000472     VOLUME   259776.182 4022510.588 68.07
   LOCATION L0000473     VOLUME   259784.927 4022508.458 68.06
   LOCATION L0000474     VOLUME   259793.671 4022506.328 68.07
   LOCATION L0000475     VOLUME   259802.367 4022504.024 68.11
   LOCATION L0000476     VOLUME   259810.959 4022501.344 68.11
   LOCATION L0000477     VOLUME   259819.551 4022498.664 68.08
   LOCATION L0000478     VOLUME   259828.142 4022495.984 68.06
   LOCATION L0000479     VOLUME   259836.734 4022493.304 68.09
   LOCATION L0000480     VOLUME   259845.326 4022490.624 68.14
   LOCATION L0000481     VOLUME   259853.916 4022487.939 68.24
   LOCATION L0000482     VOLUME   259862.423 4022485.001 68.43
   LOCATION L0000483     VOLUME   259870.929 4022482.062 68.66
   LOCATION L0000484     VOLUME   259879.436 4022479.123 68.93
   LOCATION L0000485     VOLUME   259888.098 4022476.695 69.22
   LOCATION L0000486     VOLUME   259896.798 4022474.387 69.59
   LOCATION L0000487     VOLUME   259905.500 4022472.095 69.94
   LOCATION L0000488     VOLUME   259914.420 4022470.897 70.21
   LOCATION L0000489     VOLUME   259923.339 4022469.699 70.61
   LOCATION L0000490     VOLUME   259932.259 4022468.500 71.02
   LOCATION L0000491     VOLUME   259941.201 4022467.559 71.30
   LOCATION L0000492     VOLUME   259950.196 4022467.259 71.48
   LOCATION L0000493     VOLUME   259959.191 4022466.959 71.66
   LOCATION L0000494     VOLUME   259968.186 4022466.659 71.82
   LOCATION L0000495     VOLUME   259977.177 4022466.267 71.96
   LOCATION L0000496     VOLUME   259986.168 4022465.871 72.09
   LOCATION L0000497     VOLUME   259995.160 4022465.476 72.26
   LOCATION L0000498     VOLUME   260004.151 4022465.081 72.43
   LOCATION L0000499     VOLUME   260013.142 4022464.686 72.60
** End of LINE VOLUME Source ID = OFF1
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OFF3
** DESCRSRC 12th Avenue
** PREFIX
** Length of Side = 21.00
** Configuration = Adjacent
** Emission Rate = 0.2266139315
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** Nodes = 2
** 260033.349, 4022469.495, 73.36, 2.55, 9.77
** 260015.979, 4021598.807, 67.85, 2.55, 9.77
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   LOCATION L0000500     VOLUME   260033.139 4022458.997 73.01
   LOCATION L0000501     VOLUME   260032.721 4022438.002 72.08
   LOCATION L0000502     VOLUME   260032.302 4022417.006 71.25
   LOCATION L0000503     VOLUME   260031.883 4022396.010 70.57
   LOCATION L0000504     VOLUME   260031.464 4022375.014 70.09
   LOCATION L0000505     VOLUME   260031.045 4022354.018 69.68
   LOCATION L0000506     VOLUME   260030.626 4022333.022 69.28
   LOCATION L0000507     VOLUME   260030.207 4022312.027 68.89
   LOCATION L0000508     VOLUME   260029.789 4022291.031 68.55
   LOCATION L0000509     VOLUME   260029.370 4022270.035 68.27
   LOCATION L0000510     VOLUME   260028.951 4022249.039 68.07
   LOCATION L0000511     VOLUME   260028.532 4022228.043 67.96
   LOCATION L0000512     VOLUME   260028.113 4022207.047 67.90
   LOCATION L0000513     VOLUME   260027.694 4022186.052 67.86
   LOCATION L0000514     VOLUME   260027.275 4022165.056 67.86
   LOCATION L0000515     VOLUME   260026.856 4022144.060 67.83
   LOCATION L0000516     VOLUME   260026.438 4022123.064 67.79
   LOCATION L0000517     VOLUME   260026.019 4022102.068 67.75
   LOCATION L0000518     VOLUME   260025.600 4022081.073 67.72
   LOCATION L0000519     VOLUME   260025.181 4022060.077 67.71
   LOCATION L0000520     VOLUME   260024.762 4022039.081 67.71
   LOCATION L0000521     VOLUME   260024.343 4022018.085 67.68
   LOCATION L0000522     VOLUME   260023.924 4021997.089 67.66
   LOCATION L0000523     VOLUME   260023.505 4021976.093 67.69
   LOCATION L0000524     VOLUME   260023.087 4021955.098 67.75
   LOCATION L0000525     VOLUME   260022.668 4021934.102 67.83
   LOCATION L0000526     VOLUME   260022.249 4021913.106 67.93
   LOCATION L0000527     VOLUME   260021.830 4021892.110 67.89
   LOCATION L0000528     VOLUME   260021.411 4021871.114 67.88
   LOCATION L0000529     VOLUME   260020.992 4021850.119 67.93
   LOCATION L0000530     VOLUME   260020.573 4021829.123 68.00
   LOCATION L0000531     VOLUME   260020.155 4021808.127 68.05
   LOCATION L0000532     VOLUME   260019.736 4021787.131 68.06
   LOCATION L0000533     VOLUME   260019.317 4021766.135 68.08
   LOCATION L0000534     VOLUME   260018.898 4021745.139 68.08
   LOCATION L0000535     VOLUME   260018.479 4021724.144 68.08
   LOCATION L0000536     VOLUME   260018.060 4021703.148 68.04
   LOCATION L0000537     VOLUME   260017.641 4021682.152 68.01
   LOCATION L0000538     VOLUME   260017.222 4021661.156 67.97
   LOCATION L0000539     VOLUME   260016.804 4021640.160 67.93
   LOCATION L0000540     VOLUME   260016.385 4021619.164 67.89
** End of LINE VOLUME Source ID = OFF3
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OFF2
** DESCRSRC SR-198 Onramp
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.0809762952
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** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 10
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** 260053.972, 4022470.992, 72.78, 2.55, 4.19
** 260060.723, 4022497.997, 73.98, 2.55, 4.19
** 260072.960, 4022522.048, 74.02, 2.55, 4.19
** 260095.323, 4022548.209, 69.06, 2.55, 4.19
** 260117.264, 4022564.665, 69.19, 2.55, 4.19
** 260151.864, 4022588.716, 68.49, 2.55, 4.19
** 260176.337, 4022601.796, 68.42, 2.55, 4.19
** 260207.140, 4022614.455, 68.55, 2.55, 4.19
** 260263.681, 4022627.535, 68.55, 2.55, 4.19
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   LOCATION L0000542     VOLUME   260050.962 4022451.423 72.73
   LOCATION L0000543     VOLUME   260052.330 4022460.319 73.00
   LOCATION L0000544     VOLUME   260053.699 4022469.214 73.26
   LOCATION L0000545     VOLUME   260055.719 4022477.978 73.51
   LOCATION L0000546     VOLUME   260057.901 4022486.709 73.77
   LOCATION L0000547     VOLUME   260060.084 4022495.441 74.06
   LOCATION L0000548     VOLUME   260063.610 4022503.670 74.09
   LOCATION L0000549     VOLUME   260067.691 4022511.691 73.84
   LOCATION L0000550     VOLUME   260071.772 4022519.713 73.53
   LOCATION L0000551     VOLUME   260077.106 4022526.898 73.17
   LOCATION L0000552     VOLUME   260082.954 4022533.739 71.98
   LOCATION L0000553     VOLUME   260088.802 4022540.580 70.55
   LOCATION L0000554     VOLUME   260094.650 4022547.421 69.37
   LOCATION L0000555     VOLUME   260101.694 4022552.987 68.91
   LOCATION L0000556     VOLUME   260108.894 4022558.387 68.87
   LOCATION L0000557     VOLUME   260116.094 4022563.787 68.89
   LOCATION L0000558     VOLUME   260123.453 4022568.967 68.71
   LOCATION L0000559     VOLUME   260130.843 4022574.104 68.59
   LOCATION L0000560     VOLUME   260138.233 4022579.241 68.54
   LOCATION L0000561     VOLUME   260145.623 4022584.377 68.51
   LOCATION L0000562     VOLUME   260153.098 4022589.375 68.53
   LOCATION L0000563     VOLUME   260161.035 4022593.618 68.58
   LOCATION L0000564     VOLUME   260168.973 4022597.860 68.59
   LOCATION L0000565     VOLUME   260176.938 4022602.043 68.50
   LOCATION L0000566     VOLUME   260185.263 4022605.464 68.48
   LOCATION L0000567     VOLUME   260193.587 4022608.885 68.50
   LOCATION L0000568     VOLUME   260201.912 4022612.306 68.54
   LOCATION L0000569     VOLUME   260210.401 4022615.209 68.60
   LOCATION L0000570     VOLUME   260219.170 4022617.238 68.59
   LOCATION L0000571     VOLUME   260227.938 4022619.266 68.57
   LOCATION L0000572     VOLUME   260236.706 4022621.295 68.55
   LOCATION L0000573     VOLUME   260245.475 4022623.323 68.54
   LOCATION L0000574     VOLUME   260254.243 4022625.352 68.54
   LOCATION L0000575     VOLUME   260263.012 4022627.380 68.54
** End of LINE VOLUME Source ID = OFF2
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OFF4
** DESCRSRC Hanford Armona Road
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.5325388358
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 2
** 258931.346, 4022072.090, 66.80, 2.55, 6.51
** 260976.954, 4022007.052, 67.53, 2.55, 6.51
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   LOCATION L0000577     VOLUME   258952.335 4022071.423 66.84
   LOCATION L0000578     VOLUME   258966.328 4022070.978 66.85
   LOCATION L0000579     VOLUME   258980.321 4022070.533 66.85
   LOCATION L0000580     VOLUME   258994.314 4022070.088 66.87
   LOCATION L0000581     VOLUME   259008.307 4022069.643 66.91
   LOCATION L0000582     VOLUME   259022.300 4022069.198 67.02
   LOCATION L0000583     VOLUME   259036.293 4022068.753 67.12
   LOCATION L0000584     VOLUME   259050.286 4022068.308 67.20
   LOCATION L0000585     VOLUME   259064.279 4022067.863 67.26
   LOCATION L0000586     VOLUME   259078.272 4022067.418 67.30
   LOCATION L0000587     VOLUME   259092.265 4022066.974 67.26
   LOCATION L0000588     VOLUME   259106.257 4022066.529 67.22
   LOCATION L0000589     VOLUME   259120.250 4022066.084 67.17
   LOCATION L0000590     VOLUME   259134.243 4022065.639 67.15
   LOCATION L0000591     VOLUME   259148.236 4022065.194 67.17
   LOCATION L0000592     VOLUME   259162.229 4022064.749 67.18
   LOCATION L0000593     VOLUME   259176.222 4022064.304 67.19
   LOCATION L0000594     VOLUME   259190.215 4022063.859 67.24
   LOCATION L0000595     VOLUME   259204.208 4022063.414 67.30
   LOCATION L0000596     VOLUME   259218.201 4022062.970 67.34
   LOCATION L0000597     VOLUME   259232.194 4022062.525 67.36
   LOCATION L0000598     VOLUME   259246.187 4022062.080 67.31
   LOCATION L0000599     VOLUME   259260.180 4022061.635 67.25
   LOCATION L0000600     VOLUME   259274.173 4022061.190 67.18
   LOCATION L0000601     VOLUME   259288.166 4022060.745 67.12
   LOCATION L0000602     VOLUME   259302.158 4022060.300 67.07
   LOCATION L0000603     VOLUME   259316.151 4022059.855 67.11
   LOCATION L0000604     VOLUME   259330.144 4022059.410 67.15
   LOCATION L0000605     VOLUME   259344.137 4022058.966 67.17
   LOCATION L0000606     VOLUME   259358.130 4022058.521 67.18
   LOCATION L0000607     VOLUME   259372.123 4022058.076 67.14
   LOCATION L0000608     VOLUME   259386.116 4022057.631 67.11
   LOCATION L0000609     VOLUME   259400.109 4022057.186 67.08
   LOCATION L0000610     VOLUME   259414.102 4022056.741 67.08
   LOCATION L0000611     VOLUME   259428.095 4022056.296 67.09
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LOCATION L0000613 VOLUME 259456.081 4022055.406 67.14
LOCATION L0000614 VOLUME 259470.074 4022054.962 67.16
LOCATION L0000615 VOLUME 259484.067 4022054.517 67.18
LOCATION L0000616 VOLUME 259498.059 4022054.072 67.19
LOCATION L0000617 VOLUME 259512.052 4022053.627 67.19
LOCATION L0000618 VOLUME 259526.045 4022053.182 67.18
LOCATION L0000619 VOLUME 259540.038 4022052.737 67.19
LOCATION L0000620 VOLUME 259554.031 4022052.292 67.20
LOCATION L0000621 VOLUME 259568.024 4022051.847 67.21
LOCATION L0000622 VOLUME 259582.017 4022051.402 67.23
LOCATION L0000623 VOLUME 259596.010 4022050.957 67.25
LOCATION L0000624 VOLUME 259610.003 4022050.513 67.24
LOCATION L0000625 VOLUME 259623.996 4022050.068 67.20
LOCATION L0000626 VOLUME 259637.989 4022049.623 67.04
LOCATION L0000627 VOLUME 259651.982 4022049.178 66.83
LOCATION L0000628 VOLUME 259665.975 4022048.733 66.80
LOCATION L0000629 VOLUME 259679.968 4022048.288 66.82
LOCATION L0000630 VOLUME 259693.961 4022047.843 67.00
LOCATION L0000631 VOLUME 259707.953 4022047.398 67.10
LOCATION L0000632 VOLUME 259721.946 4022046.953 67.03
LOCATION L0000633 VOLUME 259735.939 4022046.509 67.06
LOCATION L0000634 VOLUME 259749.932 4022046.064 67.16
LOCATION L0000635 VOLUME 259763.925 4022045.619 67.21
LOCATION L0000636 VOLUME 259777.918 4022045.174 67.25
LOCATION L0000637 VOLUME 259791.911 4022044.729 67.26
LOCATION L0000638 VOLUME 259805.904 4022044.284 67.27
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LOCATION L0000642 VOLUME 259861.876 4022042.505 67.29
LOCATION L0000643 VOLUME 259875.869 4022042.060 67.30
LOCATION L0000644 VOLUME 259889.862 4022041.615 67.33
LOCATION L0000645 VOLUME 259903.854 4022041.170 67.37
LOCATION L0000646 VOLUME 259917.847 4022040.725 67.39
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LOCATION L0000652 VOLUME 260001.805 4022038.056 67.54
LOCATION L0000653 VOLUME 260015.798 4022037.611 67.65
LOCATION L0000654 VOLUME 260029.791 4022037.166 67.74
LOCATION L0000655 VOLUME 260043.784 4022036.721 67.76
LOCATION L0000656 VOLUME 260057.777 4022036.276 67.79
LOCATION L0000657 VOLUME 260071.770 4022035.831 67.81
LOCATION L0000658 VOLUME 260085.763 4022035.386 67.82
LOCATION L0000659 VOLUME 260099.755 4022034.941 67.83
LOCATION L0000660 VOLUME 260113.748 4022034.496 67.85
LOCATION L0000661 VOLUME 260127.741 4022034.052 67.88

LOCATION L0000662 VOLUME 260141.734 4022033.607 67.90
LOCATION L0000663 VOLUME 260155.727 4022033.162 67.92
LOCATION L0000664 VOLUME 260169.720 4022032.717 67.95
LOCATION L0000665 VOLUME 260183.713 4022032.272 67.94
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LOCATION L0000667 VOLUME 260211.699 4022031.382 67.83
LOCATION L0000668 VOLUME 260225.692 4022030.937 67.80
LOCATION L0000669 VOLUME 260239.685 4022030.492 67.73
LOCATION L0000670 VOLUME 260253.678 4022030.048 67.67
LOCATION L0000671 VOLUME 260267.671 4022029.603 67.62
LOCATION L0000672 VOLUME 260281.664 4022029.158 67.60
LOCATION L0000673 VOLUME 260295.656 4022028.713 67.63
LOCATION L0000674 VOLUME 260309.649 4022028.268 67.65
LOCATION L0000675 VOLUME 260323.642 4022027.823 67.67
LOCATION L0000676 VOLUME 260337.635 4022027.378 67.69
LOCATION L0000677 VOLUME 260351.628 4022026.933 67.72
LOCATION L0000678 VOLUME 260365.621 4022026.488 67.73
LOCATION L0000679 VOLUME 260379.614 4022026.043 67.74
LOCATION L0000680 VOLUME 260393.607 4022025.599 67.75
LOCATION L0000681 VOLUME 260407.600 4022025.154 67.77
LOCATION L0000682 VOLUME 260421.593 4022024.709 67.78
LOCATION L0000683 VOLUME 260435.586 4022024.264 67.79
LOCATION L0000684 VOLUME 260449.579 4022023.819 67.80
LOCATION L0000685 VOLUME 260463.572 4022023.374 67.81
LOCATION L0000686 VOLUME 260477.565 4022022.929 67.82
LOCATION L0000687 VOLUME 260491.557 4022022.484 67.82
LOCATION L0000688 VOLUME 260505.550 4022022.039 67.81
LOCATION L0000689 VOLUME 260519.543 4022021.595 67.80
LOCATION L0000690 VOLUME 260533.536 4022021.150 67.79
LOCATION L0000691 VOLUME 260547.529 4022020.705 67.79
LOCATION L0000692 VOLUME 260561.522 4022020.260 67.77
LOCATION L0000693 VOLUME 260575.515 4022019.815 67.74
LOCATION L0000694 VOLUME 260589.508 4022019.370 67.79
LOCATION L0000695 VOLUME 260603.501 4022018.925 67.85
LOCATION L0000696 VOLUME 260617.494 4022018.480 67.92
LOCATION L0000697 VOLUME 260631.487 4022018.035 67.98
LOCATION L0000698 VOLUME 260645.480 4022017.591 68.05
LOCATION L0000699 VOLUME 260659.473 4022017.146 68.13
LOCATION L0000700 VOLUME 260673.466 4022016.701 68.23
LOCATION L0000701 VOLUME 260687.458 4022016.256 68.31
LOCATION L0000702 VOLUME 260701.451 4022015.811 68.37
LOCATION L0000703 VOLUME 260715.444 4022015.366 68.39
LOCATION L0000704 VOLUME 260729.437 4022014.921 68.37
LOCATION L0000705 VOLUME 260743.430 4022014.476 68.23
LOCATION L0000706 VOLUME 260757.423 4022014.031 68.12
LOCATION L0000707 VOLUME 260771.416 4022013.587 68.03
LOCATION L0000708 VOLUME 260785.409 4022013.142 67.94
LOCATION L0000709 VOLUME 260799.402 4022012.697 67.86
LOCATION L0000710 VOLUME 260813.395 4022012.252 67.80
LOCATION L0000711 VOLUME 260827.388 4022011.807 67.74

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   LOCATION L0000713     VOLUME   260855.374 4022010.917 67.61
   LOCATION L0000714     VOLUME   260869.367 4022010.472 67.59
   LOCATION L0000715     VOLUME   260883.359 4022010.027 67.55
   LOCATION L0000716     VOLUME   260897.352 4022009.582 67.50
   LOCATION L0000717     VOLUME   260911.345 4022009.138 67.50
   LOCATION L0000718     VOLUME   260925.338 4022008.693 67.51
   LOCATION L0000719     VOLUME   260939.331 4022008.248 67.53
   LOCATION L0000720     VOLUME   260953.324 4022007.803 67.54
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** End of LINE VOLUME Source ID = OFF4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = OFF5
** DESCRSRC Hayden Avenue
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.0391610939
** Vertical Dimension = 5.10
** SZINIT = 2.37
** Nodes = 5
** 260013.217, 4022263.169, 67.68, 2.55, 4.19
** 259928.560, 4022262.093, 67.40, 2.55, 4.19
** 259899.504, 4022262.811, 67.38, 2.55, 4.19
** 259881.210, 4022257.430, 67.38, 2.55, 4.19
** 259863.991, 4022253.484, 67.36, 2.55, 4.19
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   LOCATION L0000722     VOLUME   260008.718 4022263.112 67.60
   LOCATION L0000723     VOLUME   259999.718 4022262.998 67.54
   LOCATION L0000724     VOLUME   259990.719 4022262.883 67.49
   LOCATION L0000725     VOLUME   259981.720 4022262.769 67.44
   LOCATION L0000726     VOLUME   259972.721 4022262.654 67.44
   LOCATION L0000727     VOLUME   259963.721 4022262.540 67.43
   LOCATION L0000728     VOLUME   259954.722 4022262.426 67.42
   LOCATION L0000729     VOLUME   259945.723 4022262.311 67.41
   LOCATION L0000730     VOLUME   259936.724 4022262.197 67.39
   LOCATION L0000731     VOLUME   259927.724 4022262.114 67.38
   LOCATION L0000732     VOLUME   259918.727 4022262.336 67.38
   LOCATION L0000733     VOLUME   259909.730 4022262.558 67.37
   LOCATION L0000734     VOLUME   259900.733 4022262.780 67.37
   LOCATION L0000735     VOLUME   259892.049 4022260.618 67.37
   LOCATION L0000736     VOLUME   259883.415 4022258.078 67.37
   LOCATION L0000737     VOLUME   259874.677 4022255.933 67.37
   LOCATION L0000738     VOLUME   259865.905 4022253.922 67.37
** End of LINE VOLUME Source ID = OFF5
** Source Parameters **
** LINE VOLUME Source ID = ONSITE
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   SRCPARAM L0000095     0.0384615385      2.55      4.19      2.37
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   SRCPARAM L0000096     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000097     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000098     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000099     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000100     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000101     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000102     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000103     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000104     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000105     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000106     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000107     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000108     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000109     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000110     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000111     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000112     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000113     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000114     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000115     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000116     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000117     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000118     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000119     0.0384615385      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = IDLE
   SRCPARAM L0000120          0.25      2.55      4.19      2.37
   SRCPARAM L0000121          0.25      2.55      4.19      2.37
   SRCPARAM L0000122          0.25      2.55      4.19      2.37
   SRCPARAM L0000123          0.25      2.55      4.19      2.37
** ------------------------------------------------------------------
   SRCPARAM GEN                1.0     5.000   763.850   224.391     0.229
** LINE VOLUME Source ID = OFF1
   SRCPARAM L0000448     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000449     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000450     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000451     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000452     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000453     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000454     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000455     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000456     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000457     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000458     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000459     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000460     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000461     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000462     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000463     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000464     0.0023213431      2.55      4.19      2.37
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   SRCPARAM L0000465     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000466     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000467     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000468     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000469     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000470     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000471     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000472     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000473     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000474     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000475     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000476     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000477     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000478     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000479     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000480     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000481     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000482     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000483     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000484     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000485     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000486     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000487     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000488     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000489     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000490     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000491     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000492     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000493     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000494     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000495     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000496     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000497     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000498     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000499     0.0023213431      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OFF3
   SRCPARAM L0000500     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000501     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000502     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000503     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000504     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000505     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000506     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000507     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000508     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000509     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000510     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000511     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000512     0.0055271691      2.55      9.77      2.37
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   SRCPARAM L0000513     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000514     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000515     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000516     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000517     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000518     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000519     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000520     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000521     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000522     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000523     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000524     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000525     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000526     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000527     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000528     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000529     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000530     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000531     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000532     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000533     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000534     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000535     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000536     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000537     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000538     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000539     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000540     0.0055271691      2.55      9.77      2.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OFF2
   SRCPARAM L0000541     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000542     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000543     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000544     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000545     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000546     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000547     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000548     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000549     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000550     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000551     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000552     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000553     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000554     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000555     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000556     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000557     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000558     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000559     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000560     0.0023136084      2.55      4.19      2.37
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   SRCPARAM L0000561     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000562     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000563     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000564     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000565     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000566     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000567     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000568     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000569     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000570     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000571     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000572     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000573     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000574     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000575     0.0023136084      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OFF4
   SRCPARAM L0000576     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000577     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000578     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000579     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000580     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000581     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000582     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000583     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000584     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000585     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000586     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000587     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000588     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000589     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000590     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000591     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000592     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000593     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000594     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000595     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000596     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000597     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000598     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000599     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000600     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000601     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000602     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000603     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000604     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000605     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000606     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000607     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000608     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000609     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000618     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000619     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000620     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000621     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000622     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000623     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000624     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000631     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000643     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000648     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000653     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000654     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000658     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000662     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000702     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000703     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000704     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000705     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000706     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000707     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000708     0.0036475263      2.55      6.51      2.37
```

```
   SRCPARAM L0000709     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000710     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000711     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000712     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000713     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000714     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000715     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000716     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000717     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000718     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000719     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000720     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000721     0.0036475263      2.55      6.51      2.37
** ------------------------------------------------------------------
** LINE VOLUME Source ID = OFF5
   SRCPARAM L0000722     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000723     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000724     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000725     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000726     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000727     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000728     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000729     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000730     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000731     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000732     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000733     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000734     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000735     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000736     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000737     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000738     0.0023035938      2.55      4.19      2.37
** ------------------------------------------------------------------

** Building Downwash **
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10

   BUILDWID GEN             22.50    26.65    30.40    33.23    35.04    35.80
   BUILDWID GEN             35.46    34.26    32.66    34.62    35.89    36.06
   BUILDWID GEN             35.13    33.14    30.14    26.48    22.63    18.63
   BUILDWID GEN             22.50    26.65    30.40    33.23    35.04    35.80
   BUILDWID GEN             35.46    34.26    32.66    34.62    35.89    36.06
   BUILDWID GEN             35.13    33.14    30.14    26.48    22.63    18.63

   BUILDLEN GEN             34.62    35.89    36.06    35.13    33.14    30.14
```

```
   BUILDLEN GEN             26.48    22.63    18.63    22.50    26.65    30.40
   BUILDLEN GEN             33.23    35.04    35.80    35.46    34.26    32.66
   BUILDLEN GEN             34.62    35.89    36.06    35.13    33.14    30.14
   BUILDLEN GEN             26.48    22.63    18.63    22.50    26.65    30.40
   BUILDLEN GEN             33.23    35.04    35.80    35.46    34.26    32.66

   XBADJ    GEN             -2.71    -2.50    -2.21    -1.86    -1.45    -1.00
   XBADJ    GEN             -0.76    -1.13    -1.99    -6.73   -11.62   -16.16
   XBADJ    GEN            -20.20   -23.63   -26.34   -28.25   -29.31   -29.47
   XBADJ    GEN            -31.91   -33.38   -33.84   -33.27   -31.69   -29.15
   XBADJ    GEN            -25.72   -21.50   -16.64   -15.77   -15.03   -14.25
   XBADJ    GEN            -13.03   -11.41    -9.45    -7.21    -4.95    -3.19

   YBADJ    GEN             -4.52    -1.71     0.95     3.59     6.11     8.44
   YBADJ    GEN             10.52    12.18    13.14    14.60    15.44    15.81
   YBADJ    GEN             15.71    15.12    14.08    12.48    10.19     7.32
   YBADJ    GEN              4.52     1.71    -0.95    -3.59    -6.11    -8.44
   YBADJ    GEN            -10.52   -12.18   -13.14   -14.60   -15.44   -15.81
   YBADJ    GEN            -15.71   -15.12   -14.08   -12.48   -10.19    -7.32

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 2"
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP GEN      GEN
   SRCGROUP OFFSITE  L0000448 L0000449 L0000450 L0000451 L0000452 L0000453
   SRCGROUP OFFSITE  L0000454 L0000455 L0000456 L0000457 L0000458 L0000459
   SRCGROUP OFFSITE  L0000460 L0000461 L0000462 L0000463 L0000464 L0000465
   SRCGROUP OFFSITE  L0000466 L0000467 L0000468 L0000469 L0000470 L0000471
```

```
SRCGROUP OFFSITE  L0000472 L0000473 L0000474 L0000475 L0000476 L0000477
SRCGROUP OFFSITE  L0000478 L0000479 L0000480 L0000481 L0000482 L0000483
SRCGROUP OFFSITE  L0000484 L0000485 L0000486 L0000487 L0000488 L0000489
SRCGROUP OFFSITE  L0000490 L0000491 L0000492 L0000493 L0000494 L0000495
SRCGROUP OFFSITE  L0000496 L0000497 L0000498 L0000499 L0000500 L0000501
SRCGROUP OFFSITE  L0000502 L0000503 L0000504 L0000505 L0000506 L0000507
SRCGROUP OFFSITE  L0000508 L0000509 L0000510 L0000511 L0000512 L0000513
SRCGROUP OFFSITE  L0000514 L0000515 L0000516 L0000517 L0000518 L0000519
SRCGROUP OFFSITE  L0000520 L0000521 L0000522 L0000523 L0000524 L0000525
SRCGROUP OFFSITE  L0000526 L0000527 L0000528 L0000529 L0000530 L0000531
SRCGROUP OFFSITE  L0000532 L0000533 L0000534 L0000535 L0000536 L0000537
SRCGROUP OFFSITE  L0000538 L0000539 L0000540 L0000541 L0000542 L0000543
SRCGROUP OFFSITE  L0000544 L0000545 L0000546 L0000547 L0000548 L0000549
SRCGROUP OFFSITE  L0000550 L0000551 L0000552 L0000553 L0000554 L0000555
SRCGROUP OFFSITE  L0000556 L0000557 L0000558 L0000559 L0000560 L0000561
SRCGROUP OFFSITE  L0000562 L0000563 L0000564 L0000565 L0000566 L0000567
SRCGROUP OFFSITE  L0000568 L0000569 L0000570 L0000571 L0000572 L0000573
SRCGROUP OFFSITE  L0000574 L0000575 L0000576 L0000577 L0000578 L0000579
SRCGROUP OFFSITE  L0000580 L0000581 L0000582 L0000583 L0000584 L0000585
SRCGROUP OFFSITE  L0000586 L0000587 L0000588 L0000589 L0000590 L0000591
SRCGROUP OFFSITE  L0000592 L0000593 L0000594 L0000595 L0000596 L0000597
SRCGROUP OFFSITE  L0000598 L0000599 L0000600 L0000601 L0000602 L0000603
SRCGROUP OFFSITE  L0000604 L0000605 L0000606 L0000607 L0000608 L0000609
SRCGROUP OFFSITE  L0000610 L0000611 L0000612 L0000613 L0000614 L0000615
SRCGROUP OFFSITE  L0000616 L0000617 L0000618 L0000619 L0000620 L0000621
SRCGROUP OFFSITE  L0000622 L0000623 L0000624 L0000625 L0000626 L0000627
SRCGROUP OFFSITE  L0000628 L0000629 L0000630 L0000631 L0000632 L0000633
SRCGROUP OFFSITE  L0000634 L0000635 L0000636 L0000637 L0000638 L0000639
SRCGROUP OFFSITE  L0000640 L0000641 L0000642 L0000643 L0000644 L0000645
SRCGROUP OFFSITE  L0000646 L0000647 L0000648 L0000649 L0000650 L0000651
SRCGROUP OFFSITE  L0000652 L0000653 L0000654 L0000655 L0000656 L0000657
SRCGROUP OFFSITE  L0000658 L0000659 L0000660 L0000661 L0000662 L0000663
SRCGROUP OFFSITE  L0000664 L0000665 L0000666 L0000667 L0000668 L0000669
SRCGROUP OFFSITE  L0000670 L0000671 L0000672 L0000673 L0000674 L0000675
SRCGROUP OFFSITE  L0000676 L0000677 L0000678 L0000679 L0000680 L0000681
SRCGROUP OFFSITE  L0000682 L0000683 L0000684 L0000685 L0000686 L0000687
SRCGROUP OFFSITE  L0000688 L0000689 L0000690 L0000691 L0000692 L0000693
SRCGROUP OFFSITE  L0000694 L0000695 L0000696 L0000697 L0000698 L0000699
SRCGROUP OFFSITE  L0000700 L0000701 L0000702 L0000703 L0000704 L0000705
SRCGROUP OFFSITE  L0000706 L0000707 L0000708 L0000709 L0000710 L0000711
SRCGROUP OFFSITE  L0000712 L0000713 L0000714 L0000715 L0000716 L0000717
SRCGROUP OFFSITE  L0000718 L0000719 L0000720 L0000721 L0000722 L0000723
SRCGROUP OFFSITE  L0000724 L0000725 L0000726 L0000727 L0000728 L0000729
SRCGROUP OFFSITE  L0000730 L0000731 L0000732 L0000733 L0000734 L0000735
SRCGROUP OFFSITE  L0000736 L0000737 L0000738
SRCGROUP ONSITE   L0000094 L0000095 L0000096 L0000097 L0000098 L0000099
SRCGROUP ONSITE   L0000100 L0000101 L0000102 L0000103 L0000104 L0000105
SRCGROUP ONSITE   L0000106 L0000107 L0000108 L0000109 L0000110 L0000111
SRCGROUP ONSITE   L0000112 L0000113 L0000114 L0000115 L0000116 L0000117
SRCGROUP ONSITE   L0000118 L0000119
```

```
   SRCGROUP IDLE     L0000120 L0000121 L0000122 L0000123
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Maverik Hanford_Ops DPM.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
** Surface File Path: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\Met Data\
   SURFFILE "Met Data\Hanford_18-22.SFC"
** Profile File Path: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\Met Data\
   PROFFILE "Met Data\Hanford_18-22.PFL"
   SURFDATA 53119 2018 Hanford
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\01H1GALL.PLT" 31
   PLOTFILE 1 GEN 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G001.PLT" 32
   PLOTFILE 1 OFFSITE 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G002.PLT" 33
   PLOTFILE 1 ONSITE 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G003.PLT" 34
   PLOTFILE 1 IDLE 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G004.PLT" 35
   PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
```

```
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\PE00GALL.PLT" 36
   PLOTFILE PERIOD GEN "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G001.PLT" 37
   PLOTFILE PERIOD OFFSITE "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G002.PLT" 38
   PLOTFILE PERIOD ONSITE "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G003.PLT" 39
   PLOTFILE PERIOD IDLE "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G004.PLT" 40
   SUMMFILE "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik Hanford_Ops
DPM\Maverik Hanford_Ops DPM.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 13.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/18/2025
** FILE: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK HANFORD_OPS
DPM\MAVERIK HANFORD_OPS DPM.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE MAVERIK HANFORD_OPS DPM
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 59938 CITY_OF_HANFORD
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "MAVERIK HANFORD_OPS DPM.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = ONSITE
** DESCRSRC ONSITE TRUCK CIRCULATION
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 11
** 259911.112, 4022273.619, 67.36, 2.55, 4.19
** 259911.470, 4022323.459, 67.31, 2.55, 4.19
** 259910.753, 4022341.028, 67.28, 2.55, 4.19
```

```
** 259910.036, 4022349.633, 67.28, 2.55, 4.19
** 259908.602, 4022360.032, 67.27, 2.55, 4.19
** 259901.789, 4022368.279, 67.25, 2.55, 4.19
** 259890.674, 4022371.506, 67.24, 2.55, 4.19
** 259878.124, 4022371.147, 67.25, 2.55, 4.19
** 259869.519, 4022364.693, 67.25, 2.55, 4.19
** 259867.726, 4022356.088, 67.27, 2.55, 4.19
** 259865.574, 4022265.372, 67.36, 2.55, 4.19
** ----------------------------------------------------------------------
   LOCATION L0000094     VOLUME   259911.144 4022278.119 67.35
   LOCATION L0000095     VOLUME   259911.209 4022287.118 67.34
   LOCATION L0000096     VOLUME   259911.273 4022296.118 67.33
   LOCATION L0000097     VOLUME   259911.338 4022305.118 67.32
   LOCATION L0000098     VOLUME   259911.403 4022314.118 67.31
   LOCATION L0000099     VOLUME   259911.468 4022323.117 67.30
   LOCATION L0000100     VOLUME   259911.117 4022332.110 67.29
   LOCATION L0000101     VOLUME   259910.747 4022341.103 67.28
   LOCATION L0000102     VOLUME   259909.976 4022350.069 67.27
   LOCATION L0000103     VOLUME   259908.746 4022358.984 67.26
   LOCATION L0000104     VOLUME   259903.543 4022366.155 67.26
   LOCATION L0000105     VOLUME   259895.791 4022370.020 67.25
   LOCATION L0000106     VOLUME   259887.004 4022371.401 67.25
   LOCATION L0000107     VOLUME   259878.031 4022371.077 67.25
   LOCATION L0000108     VOLUME   259870.831 4022365.677 67.25
   LOCATION L0000109     VOLUME   259868.018 4022357.488 67.26
   LOCATION L0000110     VOLUME   259867.546 4022348.520 67.27
   LOCATION L0000111     VOLUME   259867.333 4022339.522 67.28
   LOCATION L0000112     VOLUME   259867.120 4022330.525 67.29
   LOCATION L0000113     VOLUME   259866.906 4022321.527 67.29
   LOCATION L0000114     VOLUME   259866.693 4022312.530 67.30
   LOCATION L0000115     VOLUME   259866.479 4022303.532 67.31
   LOCATION L0000116     VOLUME   259866.266 4022294.535 67.32
   LOCATION L0000117     VOLUME   259866.053 4022285.537 67.33
   LOCATION L0000118     VOLUME   259865.839 4022276.540 67.34
   LOCATION L0000119     VOLUME   259865.626 4022267.543 67.35
** END OF LINE VOLUME SOURCE ID = ONSITE
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = IDLE
** DESCRSRC
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 2
** 259878.483, 4022328.763, 67.29, 2.55, 4.19
** 259914.339, 4022328.478, 67.29, 2.55, 4.19
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   LOCATION L0000120     VOLUME   259882.983 4022328.727 67.29
   LOCATION L0000121     VOLUME   259891.982 4022328.656 67.29
   LOCATION L0000122     VOLUME   259900.982 4022328.584 67.29
   LOCATION L0000123     VOLUME   259909.982 4022328.513 67.30
** END OF LINE VOLUME SOURCE ID = IDLE
   LOCATION GEN          POINT      259929.310  4022315.120       67.290
** DESCRSRC BACKUP GENERATOR
** --------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = OFF1
** DESCRSRC SR-198 OFFRAMP
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.1207098436
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 14
** 259556.945, 4022513.804, 68.47, 2.55, 4.19
** 259596.156, 4022515.789, 68.46, 2.55, 4.19
** 259635.863, 4022518.768, 68.29, 2.55, 4.19
** 259679.045, 4022520.257, 68.08, 2.55, 4.19
** 259708.825, 4022521.249, 68.36, 2.55, 4.19
** 259735.131, 4022519.760, 68.27, 2.55, 4.19
** 259760.941, 4022514.300, 68.06, 2.55, 4.19
** 259799.655, 4022504.870, 68.08, 2.55, 4.19
** 259853.756, 4022487.994, 68.18, 2.55, 4.19
** 259881.055, 4022478.564, 69.17, 2.55, 4.19
** 259905.376, 4022472.112, 70.15, 2.55, 4.19
** 259938.630, 4022467.645, 71.33, 2.55, 4.19
** 259968.411, 4022466.652, 71.80, 2.55, 4.19
** 260013.578, 4022464.667, 72.77, 2.55, 4.19
** --------------------------------------------------------------------
   LOCATION L0000448     VOLUME   259561.440 4022514.032 68.42
   LOCATION L0000449     VOLUME   259570.428 4022514.487 68.42
   LOCATION L0000450     VOLUME   259579.417 4022514.942 68.43
   LOCATION L0000451     VOLUME   259588.405 4022515.397 68.44
   LOCATION L0000452     VOLUME   259597.392 4022515.882 68.44
   LOCATION L0000453     VOLUME   259606.366 4022516.555 68.43
   LOCATION L0000454     VOLUME   259615.341 4022517.228 68.43
   LOCATION L0000455     VOLUME   259624.316 4022517.901 68.42
   LOCATION L0000456     VOLUME   259633.291 4022518.575 68.43
   LOCATION L0000457     VOLUME   259642.280 4022518.989 68.43
   LOCATION L0000458     VOLUME   259651.274 4022519.299 68.42
   LOCATION L0000459     VOLUME   259660.269 4022519.609 68.41
   LOCATION L0000460     VOLUME   259669.264 4022519.919 68.41
   LOCATION L0000461     VOLUME   259678.258 4022520.229 68.42
   LOCATION L0000462     VOLUME   259687.253 4022520.530 68.44
   LOCATION L0000463     VOLUME   259696.248 4022520.830 68.45
   LOCATION L0000464     VOLUME   259705.243 4022521.130 68.46
```

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   LOCATION L0000465     VOLUME   259714.233 4022520.943 68.46
   LOCATION L0000466     VOLUME   259723.218 4022520.434 68.43
   LOCATION L0000467     VOLUME   259732.204 4022519.926 68.40
   LOCATION L0000468     VOLUME   259741.068 4022518.504 68.34
   LOCATION L0000469     VOLUME   259749.873 4022516.642 68.25
   LOCATION L0000470     VOLUME   259758.678 4022514.779 68.17
   LOCATION L0000471     VOLUME   259767.438 4022512.718 68.10
   LOCATION L0000472     VOLUME   259776.182 4022510.588 68.07
   LOCATION L0000473     VOLUME   259784.927 4022508.458 68.06
   LOCATION L0000474     VOLUME   259793.671 4022506.328 68.07
   LOCATION L0000475     VOLUME   259802.367 4022504.024 68.11
   LOCATION L0000476     VOLUME   259810.959 4022501.344 68.11
   LOCATION L0000477     VOLUME   259819.551 4022498.664 68.08
   LOCATION L0000478     VOLUME   259828.142 4022495.984 68.06
   LOCATION L0000479     VOLUME   259836.734 4022493.304 68.09
   LOCATION L0000480     VOLUME   259845.326 4022490.624 68.14
   LOCATION L0000481     VOLUME   259853.916 4022487.939 68.24
   LOCATION L0000482     VOLUME   259862.423 4022485.001 68.43
   LOCATION L0000483     VOLUME   259870.929 4022482.062 68.66
   LOCATION L0000484     VOLUME   259879.436 4022479.123 68.93
   LOCATION L0000485     VOLUME   259888.098 4022476.695 69.22
   LOCATION L0000486     VOLUME   259896.798 4022474.387 69.59
   LOCATION L0000487     VOLUME   259905.500 4022472.095 69.94
   LOCATION L0000488     VOLUME   259914.420 4022470.897 70.21
   LOCATION L0000489     VOLUME   259923.339 4022469.699 70.61
   LOCATION L0000490     VOLUME   259932.259 4022468.500 71.02
   LOCATION L0000491     VOLUME   259941.201 4022467.559 71.30
   LOCATION L0000492     VOLUME   259950.196 4022467.259 71.48
   LOCATION L0000493     VOLUME   259959.191 4022466.959 71.66
   LOCATION L0000494     VOLUME   259968.186 4022466.659 71.82
   LOCATION L0000495     VOLUME   259977.177 4022466.267 71.96
   LOCATION L0000496     VOLUME   259986.168 4022465.871 72.09
   LOCATION L0000497     VOLUME   259995.160 4022465.476 72.26
   LOCATION L0000498     VOLUME   260004.151 4022465.081 72.43
   LOCATION L0000499     VOLUME   260013.142 4022464.686 72.60
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** LINE VOLUME SOURCE ID = OFF3
** DESCRSRC 12TH AVENUE
** PREFIX
** LENGTH OF SIDE = 21.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.2266139315
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 2
** 260033.349, 4022469.495, 73.36, 2.55, 9.77
** 260015.979, 4021598.807, 67.85, 2.55, 9.77
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   LOCATION L0000500     VOLUME   260033.139 4022458.997 73.01
   LOCATION L0000501     VOLUME   260032.721 4022438.002 72.08
   LOCATION L0000502     VOLUME   260032.302 4022417.006 71.25
   LOCATION L0000503     VOLUME   260031.883 4022396.010 70.57
   LOCATION L0000504     VOLUME   260031.464 4022375.014 70.09
   LOCATION L0000505     VOLUME   260031.045 4022354.018 69.68
   LOCATION L0000506     VOLUME   260030.626 4022333.022 69.28
   LOCATION L0000507     VOLUME   260030.207 4022312.027 68.89
   LOCATION L0000508     VOLUME   260029.789 4022291.031 68.55
   LOCATION L0000509     VOLUME   260029.370 4022270.035 68.27
   LOCATION L0000510     VOLUME   260028.951 4022249.039 68.07
   LOCATION L0000511     VOLUME   260028.532 4022228.043 67.96
   LOCATION L0000512     VOLUME   260028.113 4022207.047 67.90
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   LOCATION L0000514     VOLUME   260027.275 4022165.056 67.86
   LOCATION L0000515     VOLUME   260026.856 4022144.060 67.83
   LOCATION L0000516     VOLUME   260026.438 4022123.064 67.79
   LOCATION L0000517     VOLUME   260026.019 4022102.068 67.75
   LOCATION L0000518     VOLUME   260025.600 4022081.073 67.72
   LOCATION L0000519     VOLUME   260025.181 4022060.077 67.71
   LOCATION L0000520     VOLUME   260024.762 4022039.081 67.71
   LOCATION L0000521     VOLUME   260024.343 4022018.085 67.68
   LOCATION L0000522     VOLUME   260023.924 4021997.089 67.66
   LOCATION L0000523     VOLUME   260023.505 4021976.093 67.69
   LOCATION L0000524     VOLUME   260023.087 4021955.098 67.75
   LOCATION L0000525     VOLUME   260022.668 4021934.102 67.83
   LOCATION L0000526     VOLUME   260022.249 4021913.106 67.93
   LOCATION L0000527     VOLUME   260021.830 4021892.110 67.89
   LOCATION L0000528     VOLUME   260021.411 4021871.114 67.88
   LOCATION L0000529     VOLUME   260020.992 4021850.119 67.93
   LOCATION L0000530     VOLUME   260020.573 4021829.123 68.00
   LOCATION L0000531     VOLUME   260020.155 4021808.127 68.05
   LOCATION L0000532     VOLUME   260019.736 4021787.131 68.06
   LOCATION L0000533     VOLUME   260019.317 4021766.135 68.08
   LOCATION L0000534     VOLUME   260018.898 4021745.139 68.08
   LOCATION L0000535     VOLUME   260018.479 4021724.144 68.08
   LOCATION L0000536     VOLUME   260018.060 4021703.148 68.04
   LOCATION L0000537     VOLUME   260017.641 4021682.152 68.01
   LOCATION L0000538     VOLUME   260017.222 4021661.156 67.97
   LOCATION L0000539     VOLUME   260016.804 4021640.160 67.93
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** END OF LINE VOLUME SOURCE ID = OFF3
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = OFF2
** DESCRSRC SR-198 ONRAMP
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0809762952
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** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 10
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** 260060.723, 4022497.997, 73.98, 2.55, 4.19
** 260072.960, 4022522.048, 74.02, 2.55, 4.19
** 260095.323, 4022548.209, 69.06, 2.55, 4.19
** 260117.264, 4022564.665, 69.19, 2.55, 4.19
** 260151.864, 4022588.716, 68.49, 2.55, 4.19
** 260176.337, 4022601.796, 68.42, 2.55, 4.19
** 260207.140, 4022614.455, 68.55, 2.55, 4.19
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   LOCATION L0000544     VOLUME   260053.699 4022469.214 73.26
   LOCATION L0000545     VOLUME   260055.719 4022477.978 73.51
   LOCATION L0000546     VOLUME   260057.901 4022486.709 73.77
   LOCATION L0000547     VOLUME   260060.084 4022495.441 74.06
   LOCATION L0000548     VOLUME   260063.610 4022503.670 74.09
   LOCATION L0000549     VOLUME   260067.691 4022511.691 73.84
   LOCATION L0000550     VOLUME   260071.772 4022519.713 73.53
   LOCATION L0000551     VOLUME   260077.106 4022526.898 73.17
   LOCATION L0000552     VOLUME   260082.954 4022533.739 71.98
   LOCATION L0000553     VOLUME   260088.802 4022540.580 70.55
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   LOCATION L0000555     VOLUME   260101.694 4022552.987 68.91
   LOCATION L0000556     VOLUME   260108.894 4022558.387 68.87
   LOCATION L0000557     VOLUME   260116.094 4022563.787 68.89
   LOCATION L0000558     VOLUME   260123.453 4022568.967 68.71
   LOCATION L0000559     VOLUME   260130.843 4022574.104 68.59
   LOCATION L0000560     VOLUME   260138.233 4022579.241 68.54
   LOCATION L0000561     VOLUME   260145.623 4022584.377 68.51
   LOCATION L0000562     VOLUME   260153.098 4022589.375 68.53
   LOCATION L0000563     VOLUME   260161.035 4022593.618 68.58
   LOCATION L0000564     VOLUME   260168.973 4022597.860 68.59
   LOCATION L0000565     VOLUME   260176.938 4022602.043 68.50
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   LOCATION L0000567     VOLUME   260193.587 4022608.885 68.50
   LOCATION L0000568     VOLUME   260201.912 4022612.306 68.54
   LOCATION L0000569     VOLUME   260210.401 4022615.209 68.60
   LOCATION L0000570     VOLUME   260219.170 4022617.238 68.59
   LOCATION L0000571     VOLUME   260227.938 4022619.266 68.57
   LOCATION L0000572     VOLUME   260236.706 4022621.295 68.55
   LOCATION L0000573     VOLUME   260245.475 4022623.323 68.54
   LOCATION L0000574     VOLUME   260254.243 4022625.352 68.54
   LOCATION L0000575     VOLUME   260263.012 4022627.380 68.54
** END OF LINE VOLUME SOURCE ID = OFF2
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = OFF4
** DESCRSRC HANFORD ARMONA ROAD
** PREFIX
** LENGTH OF SIDE = 14.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.5325388358
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 2
** 258931.346, 4022072.090, 66.80, 2.55, 6.51
** 260976.954, 4022007.052, 67.53, 2.55, 6.51
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   LOCATION L0000578     VOLUME   258966.328 4022070.978 66.85
   LOCATION L0000579     VOLUME   258980.321 4022070.533 66.85
   LOCATION L0000580     VOLUME   258994.314 4022070.088 66.87
   LOCATION L0000581     VOLUME   259008.307 4022069.643 66.91
   LOCATION L0000582     VOLUME   259022.300 4022069.198 67.02
   LOCATION L0000583     VOLUME   259036.293 4022068.753 67.12
   LOCATION L0000584     VOLUME   259050.286 4022068.308 67.20
   LOCATION L0000585     VOLUME   259064.279 4022067.863 67.26
   LOCATION L0000586     VOLUME   259078.272 4022067.418 67.30
   LOCATION L0000587     VOLUME   259092.265 4022066.974 67.26
   LOCATION L0000588     VOLUME   259106.257 4022066.529 67.22
   LOCATION L0000589     VOLUME   259120.250 4022066.084 67.17
   LOCATION L0000590     VOLUME   259134.243 4022065.639 67.15
   LOCATION L0000591     VOLUME   259148.236 4022065.194 67.17
   LOCATION L0000592     VOLUME   259162.229 4022064.749 67.18
   LOCATION L0000593     VOLUME   259176.222 4022064.304 67.19
   LOCATION L0000594     VOLUME   259190.215 4022063.859 67.24
   LOCATION L0000595     VOLUME   259204.208 4022063.414 67.30
   LOCATION L0000596     VOLUME   259218.201 4022062.970 67.34
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   LOCATION L0000598     VOLUME   259246.187 4022062.080 67.31
   LOCATION L0000599     VOLUME   259260.180 4022061.635 67.25
   LOCATION L0000600     VOLUME   259274.173 4022061.190 67.18
   LOCATION L0000601     VOLUME   259288.166 4022060.745 67.12
   LOCATION L0000602     VOLUME   259302.158 4022060.300 67.07
   LOCATION L0000603     VOLUME   259316.151 4022059.855 67.11
   LOCATION L0000604     VOLUME   259330.144 4022059.410 67.15
   LOCATION L0000605     VOLUME   259344.137 4022058.966 67.17
   LOCATION L0000606     VOLUME   259358.130 4022058.521 67.18
   LOCATION L0000607     VOLUME   259372.123 4022058.076 67.14
   LOCATION L0000608     VOLUME   259386.116 4022057.631 67.11
   LOCATION L0000609     VOLUME   259400.109 4022057.186 67.08
   LOCATION L0000610     VOLUME   259414.102 4022056.741 67.08
   LOCATION L0000611     VOLUME   259428.095 4022056.296 67.09
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LOCATION L0000616 VOLUME 259498.059 4022054.072 67.19
LOCATION L0000617 VOLUME 259512.052 4022053.627 67.19
LOCATION L0000618 VOLUME 259526.045 4022053.182 67.18
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LOCATION L0000622 VOLUME 259582.017 4022051.402 67.23
LOCATION L0000623 VOLUME 259596.010 4022050.957 67.25
LOCATION L0000624 VOLUME 259610.003 4022050.513 67.24
LOCATION L0000625 VOLUME 259623.996 4022050.068 67.20
LOCATION L0000626 VOLUME 259637.989 4022049.623 67.04
LOCATION L0000627 VOLUME 259651.982 4022049.178 66.83
LOCATION L0000628 VOLUME 259665.975 4022048.733 66.80
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LOCATION L0000632 VOLUME 259721.946 4022046.953 67.03
LOCATION L0000633 VOLUME 259735.939 4022046.509 67.06
LOCATION L0000634 VOLUME 259749.932 4022046.064 67.16
LOCATION L0000635 VOLUME 259763.925 4022045.619 67.21
LOCATION L0000636 VOLUME 259777.918 4022045.174 67.25
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LOCATION L0000642 VOLUME 259861.876 4022042.505 67.29
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LOCATION L0000644 VOLUME 259889.862 4022041.615 67.33
LOCATION L0000645 VOLUME 259903.854 4022041.170 67.37
LOCATION L0000646 VOLUME 259917.847 4022040.725 67.39
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LOCATION L0000655 VOLUME 260043.784 4022036.721 67.76
LOCATION L0000656 VOLUME 260057.777 4022036.276 67.79
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LOCATION L0000661 VOLUME 260127.741 4022034.052 67.88

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LOCATION L0000667 VOLUME 260211.699 4022031.382 67.83
LOCATION L0000668 VOLUME 260225.692 4022030.937 67.80
LOCATION L0000669 VOLUME 260239.685 4022030.492 67.73
LOCATION L0000670 VOLUME 260253.678 4022030.048 67.67
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LOCATION L0000691 VOLUME 260547.529 4022020.705 67.79
LOCATION L0000692 VOLUME 260561.522 4022020.260 67.77
LOCATION L0000693 VOLUME 260575.515 4022019.815 67.74
LOCATION L0000694 VOLUME 260589.508 4022019.370 67.79
LOCATION L0000695 VOLUME 260603.501 4022018.925 67.85
LOCATION L0000696 VOLUME 260617.494 4022018.480 67.92
LOCATION L0000697 VOLUME 260631.487 4022018.035 67.98
LOCATION L0000698 VOLUME 260645.480 4022017.591 68.05
LOCATION L0000699 VOLUME 260659.473 4022017.146 68.13
LOCATION L0000700 VOLUME 260673.466 4022016.701 68.23
LOCATION L0000701 VOLUME 260687.458 4022016.256 68.31
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LOCATION L0000703 VOLUME 260715.444 4022015.366 68.39
LOCATION L0000704 VOLUME 260729.437 4022014.921 68.37
LOCATION L0000705 VOLUME 260743.430 4022014.476 68.23
LOCATION L0000706 VOLUME 260757.423 4022014.031 68.12
LOCATION L0000707 VOLUME 260771.416 4022013.587 68.03
LOCATION L0000708 VOLUME 260785.409 4022013.142 67.94
LOCATION L0000709 VOLUME 260799.402 4022012.697 67.86
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   LOCATION L0000714     VOLUME   260869.367 4022010.472 67.59
   LOCATION L0000715     VOLUME   260883.359 4022010.027 67.55
   LOCATION L0000716     VOLUME   260897.352 4022009.582 67.50
   LOCATION L0000717     VOLUME   260911.345 4022009.138 67.50
   LOCATION L0000718     VOLUME   260925.338 4022008.693 67.51
   LOCATION L0000719     VOLUME   260939.331 4022008.248 67.53
   LOCATION L0000720     VOLUME   260953.324 4022007.803 67.54
   LOCATION L0000721     VOLUME   260967.317 4022007.358 67.54
** END OF LINE VOLUME SOURCE ID = OFF4
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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = OFF5
** DESCRSRC HAYDEN AVENUE
** PREFIX
** LENGTH OF SIDE = 9.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 0.0391610939
** VERTICAL DIMENSION = 5.10
** SZINIT = 2.37
** NODES = 5
** 260013.217, 4022263.169, 67.68, 2.55, 4.19
** 259928.560, 4022262.093, 67.40, 2.55, 4.19
** 259899.504, 4022262.811, 67.38, 2.55, 4.19
** 259881.210, 4022257.430, 67.38, 2.55, 4.19
** 259863.991, 4022253.484, 67.36, 2.55, 4.19
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   LOCATION L0000723     VOLUME   259999.718 4022262.998 67.54
   LOCATION L0000724     VOLUME   259990.719 4022262.883 67.49
   LOCATION L0000725     VOLUME   259981.720 4022262.769 67.44
   LOCATION L0000726     VOLUME   259972.721 4022262.654 67.44
   LOCATION L0000727     VOLUME   259963.721 4022262.540 67.43
   LOCATION L0000728     VOLUME   259954.722 4022262.426 67.42
   LOCATION L0000729     VOLUME   259945.723 4022262.311 67.41
   LOCATION L0000730     VOLUME   259936.724 4022262.197 67.39
   LOCATION L0000731     VOLUME   259927.724 4022262.114 67.38
   LOCATION L0000732     VOLUME   259918.727 4022262.336 67.38
   LOCATION L0000733     VOLUME   259909.730 4022262.558 67.37
   LOCATION L0000734     VOLUME   259900.733 4022262.780 67.37
   LOCATION L0000735     VOLUME   259892.049 4022260.618 67.37
   LOCATION L0000736     VOLUME   259883.415 4022258.078 67.37
   LOCATION L0000737     VOLUME   259874.677 4022255.933 67.37
   LOCATION L0000738     VOLUME   259865.905 4022253.922 67.37
** END OF LINE VOLUME SOURCE ID = OFF5
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = ONSITE
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   SRCPARAM L0000095     0.0384615385      2.55      4.19      2.37
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   SRCPARAM L0000097     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000098     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000099     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000100     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000101     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000102     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000103     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000104     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000105     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000106     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000107     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000108     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000109     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000110     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000111     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000112     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000113     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000114     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000115     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000116     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000117     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000118     0.0384615385      2.55      4.19      2.37
   SRCPARAM L0000119     0.0384615385      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = IDLE
   SRCPARAM L0000120          0.25      2.55      4.19      2.37
   SRCPARAM L0000121          0.25      2.55      4.19      2.37
   SRCPARAM L0000122          0.25      2.55      4.19      2.37
   SRCPARAM L0000123          0.25      2.55      4.19      2.37
** ------------------------------------------------------------------
   SRCPARAM GEN                1.0     5.000   763.850   224.391     0.229
** LINE VOLUME SOURCE ID = OFF1
   SRCPARAM L0000448     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000449     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000450     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000451     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000452     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000453     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000454     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000455     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000456     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000457     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000458     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000459     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000460     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000461     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000462     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000463     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000464     0.0023213431      2.55      4.19      2.37
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   SRCPARAM L0000465     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000466     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000467     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000468     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000469     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000470     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000471     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000472     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000473     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000474     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000475     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000476     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000477     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000478     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000479     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000480     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000481     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000482     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000483     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000484     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000485     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000486     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000487     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000488     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000489     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000490     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000491     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000492     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000493     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000494     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000495     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000496     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000497     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000498     0.0023213431      2.55      4.19      2.37
   SRCPARAM L0000499     0.0023213431      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = OFF3
   SRCPARAM L0000500     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000501     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000502     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000503     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000504     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000505     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000506     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000507     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000508     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000509     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000510     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000511     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000512     0.0055271691      2.55      9.77      2.37
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   SRCPARAM L0000513     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000514     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000515     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000516     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000517     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000518     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000519     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000520     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000521     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000522     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000523     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000524     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000525     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000526     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000527     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000528     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000529     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000530     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000531     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000532     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000533     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000534     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000535     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000536     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000537     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000538     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000539     0.0055271691      2.55      9.77      2.37
   SRCPARAM L0000540     0.0055271691      2.55      9.77      2.37
** ----------------------------------------------------------------------
** LINE VOLUME SOURCE ID = OFF2
   SRCPARAM L0000541     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000542     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000543     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000544     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000545     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000546     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000547     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000548     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000549     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000550     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000551     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000552     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000553     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000554     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000555     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000556     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000557     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000558     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000559     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000560     0.0023136084      2.55      4.19      2.37
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   SRCPARAM L0000561     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000562     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000563     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000564     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000565     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000566     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000567     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000568     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000569     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000570     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000571     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000572     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000573     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000574     0.0023136084      2.55      4.19      2.37
   SRCPARAM L0000575     0.0023136084      2.55      4.19      2.37
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = OFF4
   SRCPARAM L0000576     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000577     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000578     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000579     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000580     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000581     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000582     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000583     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000584     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000585     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000586     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000587     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000588     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000589     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000590     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000591     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000592     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000593     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000594     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000595     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000596     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000597     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000598     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000599     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000600     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000601     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000602     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000603     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000604     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000605     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000606     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000607     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000608     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000609     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000619     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000620     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000621     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000622     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000623     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000624     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000648     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000658     0.0036475263      2.55      6.51      2.37
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SRCPARAM L0000700     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000701     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000702     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000703     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000704     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000705     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000706     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000707     0.0036475263      2.55      6.51      2.37
SRCPARAM L0000708     0.0036475263      2.55      6.51      2.37
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   SRCPARAM L0000709     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000710     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000711     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000712     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000713     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000714     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000715     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000716     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000717     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000718     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000719     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000720     0.0036475263      2.55      6.51      2.37
   SRCPARAM L0000721     0.0036475263      2.55      6.51      2.37
** ------------------------------------------------------------------
** LINE VOLUME SOURCE ID = OFF5
   SRCPARAM L0000722     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000723     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000724     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000725     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000726     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000727     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000728     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000729     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000730     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000731     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000732     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000733     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000734     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000735     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000736     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000737     0.0023035938      2.55      4.19      2.37
   SRCPARAM L0000738     0.0023035938      2.55      4.19      2.37
** ------------------------------------------------------------------

** BUILDING DOWNWASH **
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10
   BUILDHGT GEN              6.10     6.10     6.10     6.10     6.10     6.10

   BUILDWID GEN             22.50    26.65    30.40    33.23    35.04    35.80
   BUILDWID GEN             35.46    34.26    32.66    34.62    35.89    36.06
   BUILDWID GEN             35.13    33.14    30.14    26.48    22.63    18.63
   BUILDWID GEN             22.50    26.65    30.40    33.23    35.04    35.80
   BUILDWID GEN             35.46    34.26    32.66    34.62    35.89    36.06
   BUILDWID GEN             35.13    33.14    30.14    26.48    22.63    18.63

   BUILDLEN GEN             34.62    35.89    36.06    35.13    33.14    30.14
```

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   BUILDLEN GEN             26.48    22.63    18.63    22.50    26.65    30.40
   BUILDLEN GEN             33.23    35.04    35.80    35.46    34.26    32.66
   BUILDLEN GEN             34.62    35.89    36.06    35.13    33.14    30.14
   BUILDLEN GEN             26.48    22.63    18.63    22.50    26.65    30.40
   BUILDLEN GEN             33.23    35.04    35.80    35.46    34.26    32.66

   XBADJ    GEN             -2.71    -2.50    -2.21    -1.86    -1.45    -1.00
   XBADJ    GEN             -0.76    -1.13    -1.99    -6.73   -11.62   -16.16
   XBADJ    GEN            -20.20   -23.63   -26.34   -28.25   -29.31   -29.47
   XBADJ    GEN            -31.91   -33.38   -33.84   -33.27   -31.69   -29.15
   XBADJ    GEN            -25.72   -21.50   -16.64   -15.77   -15.03   -14.25
   XBADJ    GEN            -13.03   -11.41    -9.45    -7.21    -4.95    -3.19

   YBADJ    GEN             -4.52    -1.71     0.95     3.59     6.11     8.44
   YBADJ    GEN             10.52    12.18    13.14    14.60    15.44    15.81
   YBADJ    GEN             15.71    15.12    14.08    12.48    10.19     7.32
   YBADJ    GEN              4.52     1.71    -0.95    -3.59    -6.11    -8.44
   YBADJ    GEN            -10.52   -12.18   -13.14   -14.60   -15.44   -15.81
   YBADJ    GEN            -15.71   -15.12   -14.08   -12.48   -10.19    -7.32

   URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / SEVEN DAYS (HRDOW7)"
** VARIABLE EMISSION SCENARIO: "SCENARIO 2"
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP GEN      GEN
   SRCGROUP OFFSITE  L0000448 L0000449 L0000450 L0000451 L0000452 L0000453
   SRCGROUP OFFSITE  L0000454 L0000455 L0000456 L0000457 L0000458 L0000459
   SRCGROUP OFFSITE  L0000460 L0000461 L0000462 L0000463 L0000464 L0000465
   SRCGROUP OFFSITE  L0000466 L0000467 L0000468 L0000469 L0000470 L0000471
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SRCGROUP OFFSITE  L0000472 L0000473 L0000474 L0000475 L0000476 L0000477
SRCGROUP OFFSITE  L0000478 L0000479 L0000480 L0000481 L0000482 L0000483
SRCGROUP OFFSITE  L0000484 L0000485 L0000486 L0000487 L0000488 L0000489
SRCGROUP OFFSITE  L0000490 L0000491 L0000492 L0000493 L0000494 L0000495
SRCGROUP OFFSITE  L0000496 L0000497 L0000498 L0000499 L0000500 L0000501
SRCGROUP OFFSITE  L0000502 L0000503 L0000504 L0000505 L0000506 L0000507
SRCGROUP OFFSITE  L0000508 L0000509 L0000510 L0000511 L0000512 L0000513
SRCGROUP OFFSITE  L0000514 L0000515 L0000516 L0000517 L0000518 L0000519
SRCGROUP OFFSITE  L0000520 L0000521 L0000522 L0000523 L0000524 L0000525
SRCGROUP OFFSITE  L0000526 L0000527 L0000528 L0000529 L0000530 L0000531
SRCGROUP OFFSITE  L0000532 L0000533 L0000534 L0000535 L0000536 L0000537
SRCGROUP OFFSITE  L0000538 L0000539 L0000540 L0000541 L0000542 L0000543
SRCGROUP OFFSITE  L0000544 L0000545 L0000546 L0000547 L0000548 L0000549
SRCGROUP OFFSITE  L0000550 L0000551 L0000552 L0000553 L0000554 L0000555
SRCGROUP OFFSITE  L0000556 L0000557 L0000558 L0000559 L0000560 L0000561
SRCGROUP OFFSITE  L0000562 L0000563 L0000564 L0000565 L0000566 L0000567
SRCGROUP OFFSITE  L0000568 L0000569 L0000570 L0000571 L0000572 L0000573
SRCGROUP OFFSITE  L0000574 L0000575 L0000576 L0000577 L0000578 L0000579
SRCGROUP OFFSITE  L0000580 L0000581 L0000582 L0000583 L0000584 L0000585
SRCGROUP OFFSITE  L0000586 L0000587 L0000588 L0000589 L0000590 L0000591
SRCGROUP OFFSITE  L0000592 L0000593 L0000594 L0000595 L0000596 L0000597
SRCGROUP OFFSITE  L0000598 L0000599 L0000600 L0000601 L0000602 L0000603
SRCGROUP OFFSITE  L0000604 L0000605 L0000606 L0000607 L0000608 L0000609
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SRCGROUP OFFSITE  L0000616 L0000617 L0000618 L0000619 L0000620 L0000621
SRCGROUP OFFSITE  L0000622 L0000623 L0000624 L0000625 L0000626 L0000627
SRCGROUP OFFSITE  L0000628 L0000629 L0000630 L0000631 L0000632 L0000633
SRCGROUP OFFSITE  L0000634 L0000635 L0000636 L0000637 L0000638 L0000639
SRCGROUP OFFSITE  L0000640 L0000641 L0000642 L0000643 L0000644 L0000645
SRCGROUP OFFSITE  L0000646 L0000647 L0000648 L0000649 L0000650 L0000651
SRCGROUP OFFSITE  L0000652 L0000653 L0000654 L0000655 L0000656 L0000657
SRCGROUP OFFSITE  L0000658 L0000659 L0000660 L0000661 L0000662 L0000663
SRCGROUP OFFSITE  L0000664 L0000665 L0000666 L0000667 L0000668 L0000669
SRCGROUP OFFSITE  L0000670 L0000671 L0000672 L0000673 L0000674 L0000675
SRCGROUP OFFSITE  L0000676 L0000677 L0000678 L0000679 L0000680 L0000681
SRCGROUP OFFSITE  L0000682 L0000683 L0000684 L0000685 L0000686 L0000687
SRCGROUP OFFSITE  L0000688 L0000689 L0000690 L0000691 L0000692 L0000693
SRCGROUP OFFSITE  L0000694 L0000695 L0000696 L0000697 L0000698 L0000699
SRCGROUP OFFSITE  L0000700 L0000701 L0000702 L0000703 L0000704 L0000705
SRCGROUP OFFSITE  L0000706 L0000707 L0000708 L0000709 L0000710 L0000711
SRCGROUP OFFSITE  L0000712 L0000713 L0000714 L0000715 L0000716 L0000717
SRCGROUP OFFSITE  L0000718 L0000719 L0000720 L0000721 L0000722 L0000723
SRCGROUP OFFSITE  L0000724 L0000725 L0000726 L0000727 L0000728 L0000729
SRCGROUP OFFSITE  L0000730 L0000731 L0000732 L0000733 L0000734 L0000735
SRCGROUP OFFSITE  L0000736 L0000737 L0000738
SRCGROUP ONSITE   L0000094 L0000095 L0000096 L0000097 L0000098 L0000099
SRCGROUP ONSITE   L0000100 L0000101 L0000102 L0000103 L0000104 L0000105
SRCGROUP ONSITE   L0000106 L0000107 L0000108 L0000109 L0000110 L0000111
SRCGROUP ONSITE   L0000112 L0000113 L0000114 L0000115 L0000116 L0000117
SRCGROUP ONSITE   L0000118 L0000119
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   SRCGROUP IDLE     L0000120 L0000121 L0000122 L0000123
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
**************************************
**
**
RE STARTING
   INCLUDED "MAVERIK HANFORD_OPS DPM.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
** SURFACE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MET DATA\
   SURFFILE METDAT~1\HANFOR~1.SFC
** PROFILE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MET DATA\
   PROFFILE METDAT~1\HANFOR~1.PFL
   SURFDATA 53119 2018 HANFORD
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\01H1GALL.PLT" 31
   PLOTFILE   1 GEN 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G001.PLT" 32
   PLOTFILE   1 OFFSITE 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G002.PLT" 33
   PLOTFILE   1 ONSITE 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G003.PLT" 34
   PLOTFILE   1 IDLE 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\01H1G004.PLT" 35
   PLOTFILE   PERIOD ALL "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
```

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HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\PE00GALL.PLT" 36
   PLOTFILE   PERIOD GEN "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G001.PLT" 37
   PLOTFILE   PERIOD OFFSITE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G002.PLT" 38
   PLOTFILE   PERIOD ONSITE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G003.PLT" 39
   PLOTFILE   PERIOD IDLE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.AD\PE00G004.PLT" 40
   SUMMFILE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK HANFORD_OPS
DPM\MAVERIK HANFORD_OPS DPM.SUM"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 SO W320     531        PPARM: Input Parameter May Be Out-of-Range for Parameter
       VS
 ME W186     976       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     976       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       17:33:02

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   322 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =     59938.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    322 Source(s);       5 Source Group(s); and     825
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    321 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  21112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
```

Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   74.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.7 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: MAVERIK HANFORD_OPS DPM.ERR

 **File for Summary of Results: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK
HANFORD\MAVERIK HANFORD_OPS DPM\MAVERIK HANFORD_OPS DPM.SU

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                  *** POINT SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   STACK   STACK
STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.   EXIT
VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K)
(M/SEC) (METERS)   VARY BY
 -
- -

 GEN   0   0.10000E+01 259929.3 4022315.1   67.3   5.00   763.85
224.39   0.23   YES   YES   NO HRDOW7

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000094	0	0.38462E-01	259911.1	4022278.1	67.3	2.55	4.19	2.37	YES	
L0000095	0	0.38462E-01	259911.2	4022287.1	67.3	2.55	4.19	2.37	YES	
L0000096	0	0.38462E-01	259911.3	4022296.1	67.3	2.55	4.19	2.37	YES	
L0000097	0	0.38462E-01	259911.3	4022305.1	67.3	2.55	4.19	2.37	YES	
L0000098	0	0.38462E-01	259911.4	4022314.1	67.3	2.55	4.19	2.37	YES	
L0000099	0	0.38462E-01	259911.5	4022323.1	67.3	2.55	4.19	2.37	YES	
L0000100	0	0.38462E-01	259911.1	4022332.1	67.3	2.55	4.19	2.37	YES	
L0000101	0	0.38462E-01	259910.7	4022341.1	67.3	2.55	4.19	2.37	YES	
L0000102	0	0.38462E-01	259910.0	4022350.1	67.3	2.55	4.19	2.37	YES	
L0000103	0	0.38462E-01	259908.7	4022359.0	67.3	2.55	4.19	2.37	YES	
L0000104	0	0.38462E-01	259903.5	4022366.2	67.3	2.55	4.19	2.37	YES	
L0000105	0	0.38462E-01	259895.8	4022370.0	67.2	2.55	4.19	2.37	YES	
L0000106	0	0.38462E-01	259887.0	4022371.4	67.2	2.55	4.19	2.37	YES	
L0000107	0	0.38462E-01	259878.0	4022371.1	67.2	2.55	4.19	2.37	YES	
L0000108	0	0.38462E-01	259870.8	4022365.7	67.2	2.55	4.19	2.37	YES	
L0000109	0	0.38462E-01	259868.0	4022357.5	67.3	2.55	4.19	2.37	YES	

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 L0000110         0   0.38462E-01  259867.5 4022348.5    67.3     2.55     4.19
2.37     YES
 L0000111         0   0.38462E-01  259867.3 4022339.5    67.3     2.55     4.19
2.37     YES
 L0000112         0   0.38462E-01  259867.1 4022330.5    67.3     2.55     4.19
2.37     YES
 L0000113         0   0.38462E-01  259866.9 4022321.5    67.3     2.55     4.19
2.37     YES
 L0000114         0   0.38462E-01  259866.7 4022312.5    67.3     2.55     4.19
2.37     YES
 L0000115         0   0.38462E-01  259866.5 4022303.5    67.3     2.55     4.19
2.37     YES
 L0000116         0   0.38462E-01  259866.3 4022294.5    67.3     2.55     4.19
2.37     YES
 L0000117         0   0.38462E-01  259866.1 4022285.5    67.3     2.55     4.19
2.37     YES
 L0000118         0   0.38462E-01  259865.8 4022276.5    67.3     2.55     4.19
2.37     YES
 L0000119         0   0.38462E-01  259865.6 4022267.5    67.3     2.55     4.19
2.37     YES
 L0000120         0   0.25000E+00  259883.0 4022328.7    67.3     2.55     4.19
2.37     YES
 L0000121         0   0.25000E+00  259892.0 4022328.7    67.3     2.55     4.19
2.37     YES
 L0000122         0   0.25000E+00  259901.0 4022328.6    67.3     2.55     4.19
2.37     YES
 L0000123         0   0.25000E+00  259910.0 4022328.5    67.3     2.55     4.19
2.37     YES
 L0000448         0   0.23213E-02  259561.4 4022514.0    68.4     2.55     4.19
2.37     YES
 L0000449         0   0.23213E-02  259570.4 4022514.5    68.4     2.55     4.19
2.37     YES
 L0000450         0   0.23213E-02  259579.4 4022514.9    68.4     2.55     4.19
2.37     YES
 L0000451         0   0.23213E-02  259588.4 4022515.4    68.4     2.55     4.19
2.37     YES
 L0000452         0   0.23213E-02  259597.4 4022515.9    68.4     2.55     4.19
2.37     YES
 L0000453         0   0.23213E-02  259606.4 4022516.6    68.4     2.55     4.19
2.37     YES
 L0000454         0   0.23213E-02  259615.3 4022517.2    68.4     2.55     4.19
2.37     YES
 L0000455         0   0.23213E-02  259624.3 4022517.9    68.4     2.55     4.19
2.37     YES
 L0000456         0   0.23213E-02  259633.3 4022518.6    68.4     2.55     4.19
2.37     YES
 L0000457         0   0.23213E-02  259642.3 4022519.0    68.4     2.55     4.19
2.37     YES
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000458	0	0.23213E-02	259651.3	4022519.3	68.4	2.55	4.19	2.37	YES	
L0000459	0	0.23213E-02	259660.3	4022519.6	68.4	2.55	4.19	2.37	YES	
L0000460	0	0.23213E-02	259669.3	4022519.9	68.4	2.55	4.19	2.37	YES	
L0000461	0	0.23213E-02	259678.3	4022520.2	68.4	2.55	4.19	2.37	YES	
L0000462	0	0.23213E-02	259687.3	4022520.5	68.4	2.55	4.19	2.37	YES	
L0000463	0	0.23213E-02	259696.2	4022520.8	68.5	2.55	4.19	2.37	YES	
L0000464	0	0.23213E-02	259705.2	4022521.1	68.5	2.55	4.19	2.37	YES	
L0000465	0	0.23213E-02	259714.2	4022520.9	68.5	2.55	4.19	2.37	YES	
L0000466	0	0.23213E-02	259723.2	4022520.4	68.4	2.55	4.19	2.37	YES	
L0000467	0	0.23213E-02	259732.2	4022519.9	68.4	2.55	4.19	2.37	YES	
L0000468	0	0.23213E-02	259741.1	4022518.5	68.3	2.55	4.19	2.37	YES	
L0000469	0	0.23213E-02	259749.9	4022516.6	68.2	2.55	4.19	2.37	YES	
L0000470	0	0.23213E-02	259758.7	4022514.8	68.2	2.55	4.19	2.37	YES	
L0000471	0	0.23213E-02	259767.4	4022512.7	68.1	2.55	4.19	2.37	YES	
L0000472	0	0.23213E-02	259776.2	4022510.6	68.1	2.55	4.19	2.37	YES	
L0000473	0	0.23213E-02	259784.9	4022508.5	68.1	2.55	4.19	2.37	YES	

 L0000474   0   0.23213E-02 259793.7 4022506.3   68.1   2.55   4.19
2.37   YES
 L0000475   0   0.23213E-02 259802.4 4022504.0   68.1   2.55   4.19
2.37   YES
 L0000476   0   0.23213E-02 259811.0 4022501.3   68.1   2.55   4.19
2.37   YES
 L0000477   0   0.23213E-02 259819.6 4022498.7   68.1   2.55   4.19
2.37   YES
 L0000478   0   0.23213E-02 259828.1 4022496.0   68.1   2.55   4.19
2.37   YES
 L0000479   0   0.23213E-02 259836.7 4022493.3   68.1   2.55   4.19
2.37   YES
 L0000480   0   0.23213E-02 259845.3 4022490.6   68.1   2.55   4.19
2.37   YES
 L0000481   0   0.23213E-02 259853.9 4022487.9   68.2   2.55   4.19
2.37   YES
 L0000482   0   0.23213E-02 259862.4 4022485.0   68.4   2.55   4.19
2.37   YES
 L0000483   0   0.23213E-02 259870.9 4022482.1   68.7   2.55   4.19
2.37   YES
 L0000484   0   0.23213E-02 259879.4 4022479.1   68.9   2.55   4.19
2.37   YES
 L0000485   0   0.23213E-02 259888.1 4022476.7   69.2   2.55   4.19
2.37   YES
 L0000486   0   0.23213E-02 259896.8 4022474.4   69.6   2.55   4.19
2.37   YES
 L0000487   0   0.23213E-02 259905.5 4022472.1   69.9   2.55   4.19
2.37   YES
 L0000488   0   0.23213E-02 259914.4 4022470.9   70.2   2.55   4.19
2.37   YES
 L0000489   0   0.23213E-02 259923.3 4022469.7   70.6   2.55   4.19
2.37   YES
 L0000490   0   0.23213E-02 259932.3 4022468.5   71.0   2.55   4.19
2.37   YES
 L0000491   0   0.23213E-02 259941.2 4022467.6   71.3   2.55   4.19
2.37   YES
 L0000492   0   0.23213E-02 259950.2 4022467.3   71.5   2.55   4.19
2.37   YES
 L0000493   0   0.23213E-02 259959.2 4022467.0   71.7   2.55   4.19
2.37   YES
 L0000494   0   0.23213E-02 259968.2 4022466.7   71.8   2.55   4.19
2.37   YES
 L0000495   0   0.23213E-02 259977.2 4022466.3   72.0   2.55   4.19
2.37   YES
 L0000496   0   0.23213E-02 259986.2 4022465.9   72.1   2.55   4.19
2.37   YES
 L0000497   0   0.23213E-02 259995.2 4022465.5   72.3   2.55   4.19
2.37   YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000498	0	0.23213E-02	260004.2	4022465.1	72.4	2.55	4.19	2.37	YES	
L0000499	0	0.23213E-02	260013.1	4022464.7	72.6	2.55	4.19	2.37	YES	
L0000500	0	0.55272E-02	260033.1	4022459.0	73.0	2.55	9.77	2.37	YES	
L0000501	0	0.55272E-02	260032.7	4022438.0	72.1	2.55	9.77	2.37	YES	
L0000502	0	0.55272E-02	260032.3	4022417.0	71.2	2.55	9.77	2.37	YES	
L0000503	0	0.55272E-02	260031.9	4022396.0	70.6	2.55	9.77	2.37	YES	
L0000504	0	0.55272E-02	260031.5	4022375.0	70.1	2.55	9.77	2.37	YES	
L0000505	0	0.55272E-02	260031.0	4022354.0	69.7	2.55	9.77	2.37	YES	
L0000506	0	0.55272E-02	260030.6	4022333.0	69.3	2.55	9.77	2.37	YES	
L0000507	0	0.55272E-02	260030.2	4022312.0	68.9	2.55	9.77	2.37	YES	
L0000508	0	0.55272E-02	260029.8	4022291.0	68.5	2.55	9.77	2.37	YES	
L0000509	0	0.55272E-02	260029.4	4022270.0	68.3	2.55	9.77	2.37	YES	
L0000510	0	0.55272E-02	260029.0	4022249.0	68.1	2.55	9.77	2.37	YES	
L0000511	0	0.55272E-02	260028.5	4022228.0	68.0	2.55	9.77	2.37	YES	
L0000512	0	0.55272E-02	260028.1	4022207.0	67.9	2.55	9.77	2.37	YES	
L0000513	0	0.55272E-02	260027.7	4022186.1	67.9	2.55	9.77	2.37	YES	

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 L0000514         0   0.55272E-02  260027.3 4022165.1    67.9     2.55     9.77
2.37     YES
 L0000515         0   0.55272E-02  260026.9 4022144.1    67.8     2.55     9.77
2.37     YES
 L0000516         0   0.55272E-02  260026.4 4022123.1    67.8     2.55     9.77
2.37     YES
 L0000517         0   0.55272E-02  260026.0 4022102.1    67.8     2.55     9.77
2.37     YES
 L0000518         0   0.55272E-02  260025.6 4022081.1    67.7     2.55     9.77
2.37     YES
 L0000519         0   0.55272E-02  260025.2 4022060.1    67.7     2.55     9.77
2.37     YES
 L0000520         0   0.55272E-02  260024.8 4022039.1    67.7     2.55     9.77
2.37     YES
 L0000521         0   0.55272E-02  260024.3 4022018.1    67.7     2.55     9.77
2.37     YES
 L0000522         0   0.55272E-02  260023.9 4021997.1    67.7     2.55     9.77
2.37     YES
 L0000523         0   0.55272E-02  260023.5 4021976.1    67.7     2.55     9.77
2.37     YES
 L0000524         0   0.55272E-02  260023.1 4021955.1    67.8     2.55     9.77
2.37     YES
 L0000525         0   0.55272E-02  260022.7 4021934.1    67.8     2.55     9.77
2.37     YES
 L0000526         0   0.55272E-02  260022.2 4021913.1    67.9     2.55     9.77
2.37     YES
 L0000527         0   0.55272E-02  260021.8 4021892.1    67.9     2.55     9.77
2.37     YES
 L0000528         0   0.55272E-02  260021.4 4021871.1    67.9     2.55     9.77
2.37     YES
 L0000529         0   0.55272E-02  260021.0 4021850.1    67.9     2.55     9.77
2.37     YES
 L0000530         0   0.55272E-02  260020.6 4021829.1    68.0     2.55     9.77
2.37     YES
 L0000531         0   0.55272E-02  260020.2 4021808.1    68.0     2.55     9.77
2.37     YES
 L0000532         0   0.55272E-02  260019.7 4021787.1    68.1     2.55     9.77
2.37     YES
 L0000533         0   0.55272E-02  260019.3 4021766.1    68.1     2.55     9.77
2.37     YES
 L0000534         0   0.55272E-02  260018.9 4021745.1    68.1     2.55     9.77
2.37     YES
 L0000535         0   0.55272E-02  260018.5 4021724.1    68.1     2.55     9.77
2.37     YES
 L0000536         0   0.55272E-02  260018.1 4021703.1    68.0     2.55     9.77
2.37     YES
 L0000537         0   0.55272E-02  260017.6 4021682.2    68.0     2.55     9.77
2.37     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000538	0	0.55272E-02	260017.2	4021661.2	68.0	2.55	9.77	2.37	YES	
L0000539	0	0.55272E-02	260016.8	4021640.2	67.9	2.55	9.77	2.37	YES	
L0000540	0	0.55272E-02	260016.4	4021619.2	67.9	2.55	9.77	2.37	YES	
L0000541	0	0.23136E-02	260049.6	4022442.5	72.5	2.55	4.19	2.37	YES	
L0000542	0	0.23136E-02	260051.0	4022451.4	72.7	2.55	4.19	2.37	YES	
L0000543	0	0.23136E-02	260052.3	4022460.3	73.0	2.55	4.19	2.37	YES	
L0000544	0	0.23136E-02	260053.7	4022469.2	73.3	2.55	4.19	2.37	YES	
L0000545	0	0.23136E-02	260055.7	4022478.0	73.5	2.55	4.19	2.37	YES	
L0000546	0	0.23136E-02	260057.9	4022486.7	73.8	2.55	4.19	2.37	YES	
L0000547	0	0.23136E-02	260060.1	4022495.4	74.1	2.55	4.19	2.37	YES	
L0000548	0	0.23136E-02	260063.6	4022503.7	74.1	2.55	4.19	2.37	YES	
L0000549	0	0.23136E-02	260067.7	4022511.7	73.8	2.55	4.19	2.37	YES	
L0000550	0	0.23136E-02	260071.8	4022519.7	73.5	2.55	4.19	2.37	YES	
L0000551	0	0.23136E-02	260077.1	4022526.9	73.2	2.55	4.19	2.37	YES	
L0000552	0	0.23136E-02	260083.0	4022533.7	72.0	2.55	4.19	2.37	YES	
L0000553	0	0.23136E-02	260088.8	4022540.6	70.5	2.55	4.19	2.37	YES	

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 L0000554         0   0.23136E-02  260094.6 4022547.4    69.4     2.55     4.19
2.37     YES
 L0000555         0   0.23136E-02  260101.7 4022553.0    68.9     2.55     4.19
2.37     YES
 L0000556         0   0.23136E-02  260108.9 4022558.4    68.9     2.55     4.19
2.37     YES
 L0000557         0   0.23136E-02  260116.1 4022563.8    68.9     2.55     4.19
2.37     YES
 L0000558         0   0.23136E-02  260123.5 4022569.0    68.7     2.55     4.19
2.37     YES
 L0000559         0   0.23136E-02  260130.8 4022574.1    68.6     2.55     4.19
2.37     YES
 L0000560         0   0.23136E-02  260138.2 4022579.2    68.5     2.55     4.19
2.37     YES
 L0000561         0   0.23136E-02  260145.6 4022584.4    68.5     2.55     4.19
2.37     YES
 L0000562         0   0.23136E-02  260153.1 4022589.4    68.5     2.55     4.19
2.37     YES
 L0000563         0   0.23136E-02  260161.0 4022593.6    68.6     2.55     4.19
2.37     YES
 L0000564         0   0.23136E-02  260169.0 4022597.9    68.6     2.55     4.19
2.37     YES
 L0000565         0   0.23136E-02  260176.9 4022602.0    68.5     2.55     4.19
2.37     YES
 L0000566         0   0.23136E-02  260185.3 4022605.5    68.5     2.55     4.19
2.37     YES
 L0000567         0   0.23136E-02  260193.6 4022608.9    68.5     2.55     4.19
2.37     YES
 L0000568         0   0.23136E-02  260201.9 4022612.3    68.5     2.55     4.19
2.37     YES
 L0000569         0   0.23136E-02  260210.4 4022615.2    68.6     2.55     4.19
2.37     YES
 L0000570         0   0.23136E-02  260219.2 4022617.2    68.6     2.55     4.19
2.37     YES
 L0000571         0   0.23136E-02  260227.9 4022619.3    68.6     2.55     4.19
2.37     YES
 L0000572         0   0.23136E-02  260236.7 4022621.3    68.5     2.55     4.19
2.37     YES
 L0000573         0   0.23136E-02  260245.5 4022623.3    68.5     2.55     4.19
2.37     YES
 L0000574         0   0.23136E-02  260254.2 4022625.4    68.5     2.55     4.19
2.37     YES
 L0000575         0   0.23136E-02  260263.0 4022627.4    68.5     2.55     4.19
2.37     YES
 L0000576         0   0.36475E-02  258938.3 4022071.9    66.8     2.55     6.51
2.37     YES
 L0000577         0   0.36475E-02  258952.3 4022071.4    66.8     2.55     6.51
2.37     YES
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000578	0	0.36475E-02	258966.3	4022071.0	66.8	2.55	6.51	2.37	YES	
L0000579	0	0.36475E-02	258980.3	4022070.5	66.8	2.55	6.51	2.37	YES	
L0000580	0	0.36475E-02	258994.3	4022070.1	66.9	2.55	6.51	2.37	YES	
L0000581	0	0.36475E-02	259008.3	4022069.6	66.9	2.55	6.51	2.37	YES	
L0000582	0	0.36475E-02	259022.3	4022069.2	67.0	2.55	6.51	2.37	YES	
L0000583	0	0.36475E-02	259036.3	4022068.8	67.1	2.55	6.51	2.37	YES	
L0000584	0	0.36475E-02	259050.3	4022068.3	67.2	2.55	6.51	2.37	YES	
L0000585	0	0.36475E-02	259064.3	4022067.9	67.3	2.55	6.51	2.37	YES	
L0000586	0	0.36475E-02	259078.3	4022067.4	67.3	2.55	6.51	2.37	YES	
L0000587	0	0.36475E-02	259092.3	4022067.0	67.3	2.55	6.51	2.37	YES	
L0000588	0	0.36475E-02	259106.3	4022066.5	67.2	2.55	6.51	2.37	YES	
L0000589	0	0.36475E-02	259120.2	4022066.1	67.2	2.55	6.51	2.37	YES	
L0000590	0	0.36475E-02	259134.2	4022065.6	67.1	2.55	6.51	2.37	YES	
L0000591	0	0.36475E-02	259148.2	4022065.2	67.2	2.55	6.51	2.37	YES	
L0000592	0	0.36475E-02	259162.2	4022064.7	67.2	2.55	6.51	2.37	YES	
L0000593	0	0.36475E-02	259176.2	4022064.3	67.2	2.55	6.51	2.37	YES	

L0000594	0	0.36475E-02	259190.2	4022063.9	67.2	2.55	6.51	2.37 YES
L0000595	0	0.36475E-02	259204.2	4022063.4	67.3	2.55	6.51	2.37 YES
L0000596	0	0.36475E-02	259218.2	4022063.0	67.3	2.55	6.51	2.37 YES
L0000597	0	0.36475E-02	259232.2	4022062.5	67.4	2.55	6.51	2.37 YES
L0000598	0	0.36475E-02	259246.2	4022062.1	67.3	2.55	6.51	2.37 YES
L0000599	0	0.36475E-02	259260.2	4022061.6	67.2	2.55	6.51	2.37 YES
L0000600	0	0.36475E-02	259274.2	4022061.2	67.2	2.55	6.51	2.37 YES
L0000601	0	0.36475E-02	259288.2	4022060.7	67.1	2.55	6.51	2.37 YES
L0000602	0	0.36475E-02	259302.2	4022060.3	67.1	2.55	6.51	2.37 YES
L0000603	0	0.36475E-02	259316.2	4022059.9	67.1	2.55	6.51	2.37 YES
L0000604	0	0.36475E-02	259330.1	4022059.4	67.1	2.55	6.51	2.37 YES
L0000605	0	0.36475E-02	259344.1	4022059.0	67.2	2.55	6.51	2.37 YES
L0000606	0	0.36475E-02	259358.1	4022058.5	67.2	2.55	6.51	2.37 YES
L0000607	0	0.36475E-02	259372.1	4022058.1	67.1	2.55	6.51	2.37 YES
L0000608	0	0.36475E-02	259386.1	4022057.6	67.1	2.55	6.51	2.37 YES
L0000609	0	0.36475E-02	259400.1	4022057.2	67.1	2.55	6.51	2.37 YES
L0000610	0	0.36475E-02	259414.1	4022056.7	67.1	2.55	6.51	2.37 YES
L0000611	0	0.36475E-02	259428.1	4022056.3	67.1	2.55	6.51	2.37 YES
L0000612	0	0.36475E-02	259442.1	4022055.9	67.1	2.55	6.51	2.37 YES
L0000613	0	0.36475E-02	259456.1	4022055.4	67.1	2.55	6.51	2.37 YES
L0000614	0	0.36475E-02	259470.1	4022055.0	67.2	2.55	6.51	2.37 YES
L0000615	0	0.36475E-02	259484.1	4022054.5	67.2	2.55	6.51	2.37 YES
L0000616	0	0.36475E-02	259498.1	4022054.1	67.2	2.55	6.51	2.37 YES
L0000617	0	0.36475E-02	259512.1	4022053.6	67.2	2.55	6.51	2.37 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE VARY BY
L0000618	0	0.36475E-02	259526.0	4022053.2	67.2	2.55	6.51	2.37	YES
L0000619	0	0.36475E-02	259540.0	4022052.7	67.2	2.55	6.51	2.37	YES
L0000620	0	0.36475E-02	259554.0	4022052.3	67.2	2.55	6.51	2.37	YES
L0000621	0	0.36475E-02	259568.0	4022051.8	67.2	2.55	6.51	2.37	YES
L0000622	0	0.36475E-02	259582.0	4022051.4	67.2	2.55	6.51	2.37	YES
L0000623	0	0.36475E-02	259596.0	4022051.0	67.2	2.55	6.51	2.37	YES
L0000624	0	0.36475E-02	259610.0	4022050.5	67.2	2.55	6.51	2.37	YES
L0000625	0	0.36475E-02	259624.0	4022050.1	67.2	2.55	6.51	2.37	YES
L0000626	0	0.36475E-02	259638.0	4022049.6	67.0	2.55	6.51	2.37	YES
L0000627	0	0.36475E-02	259652.0	4022049.2	66.8	2.55	6.51	2.37	YES
L0000628	0	0.36475E-02	259666.0	4022048.7	66.8	2.55	6.51	2.37	YES
L0000629	0	0.36475E-02	259680.0	4022048.3	66.8	2.55	6.51	2.37	YES
L0000630	0	0.36475E-02	259694.0	4022047.8	67.0	2.55	6.51	2.37	YES
L0000631	0	0.36475E-02	259708.0	4022047.4	67.1	2.55	6.51	2.37	YES
L0000632	0	0.36475E-02	259721.9	4022047.0	67.0	2.55	6.51	2.37	YES
L0000633	0	0.36475E-02	259735.9	4022046.5	67.1	2.55	6.51	2.37	YES

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 L0000634         0   0.36475E-02  259749.9 4022046.1    67.2     2.55     6.51
2.37     YES
 L0000635         0   0.36475E-02  259763.9 4022045.6    67.2     2.55     6.51
2.37     YES
 L0000636         0   0.36475E-02  259777.9 4022045.2    67.2     2.55     6.51
2.37     YES
 L0000637         0   0.36475E-02  259791.9 4022044.7    67.3     2.55     6.51
2.37     YES
 L0000638         0   0.36475E-02  259805.9 4022044.3    67.3     2.55     6.51
2.37     YES
 L0000639         0   0.36475E-02  259819.9 4022043.8    67.3     2.55     6.51
2.37     YES
 L0000640         0   0.36475E-02  259833.9 4022043.4    67.3     2.55     6.51
2.37     YES
 L0000641         0   0.36475E-02  259847.9 4022042.9    67.3     2.55     6.51
2.37     YES
 L0000642         0   0.36475E-02  259861.9 4022042.5    67.3     2.55     6.51
2.37     YES
 L0000643         0   0.36475E-02  259875.9 4022042.1    67.3     2.55     6.51
2.37     YES
 L0000644         0   0.36475E-02  259889.9 4022041.6    67.3     2.55     6.51
2.37     YES
 L0000645         0   0.36475E-02  259903.9 4022041.2    67.4     2.55     6.51
2.37     YES
 L0000646         0   0.36475E-02  259917.8 4022040.7    67.4     2.55     6.51
2.37     YES
 L0000647         0   0.36475E-02  259931.8 4022040.3    67.4     2.55     6.51
2.37     YES
 L0000648         0   0.36475E-02  259945.8 4022039.8    67.4     2.55     6.51
2.37     YES
 L0000649         0   0.36475E-02  259959.8 4022039.4    67.4     2.55     6.51
2.37     YES
 L0000650         0   0.36475E-02  259973.8 4022038.9    67.5     2.55     6.51
2.37     YES
 L0000651         0   0.36475E-02  259987.8 4022038.5    67.5     2.55     6.51
2.37     YES
 L0000652         0   0.36475E-02  260001.8 4022038.1    67.5     2.55     6.51
2.37     YES
 L0000653         0   0.36475E-02  260015.8 4022037.6    67.6     2.55     6.51
2.37     YES
 L0000654         0   0.36475E-02  260029.8 4022037.2    67.7     2.55     6.51
2.37     YES
 L0000655         0   0.36475E-02  260043.8 4022036.7    67.8     2.55     6.51
2.37     YES
 L0000656         0   0.36475E-02  260057.8 4022036.3    67.8     2.55     6.51
2.37     YES
 L0000657         0   0.36475E-02  260071.8 4022035.8    67.8     2.55     6.51
2.37     YES
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000658	0	0.36475E-02	260085.8	4022035.4	67.8	2.55	6.51	2.37	YES	
L0000659	0	0.36475E-02	260099.8	4022034.9	67.8	2.55	6.51	2.37	YES	
L0000660	0	0.36475E-02	260113.7	4022034.5	67.8	2.55	6.51	2.37	YES	
L0000661	0	0.36475E-02	260127.7	4022034.1	67.9	2.55	6.51	2.37	YES	
L0000662	0	0.36475E-02	260141.7	4022033.6	67.9	2.55	6.51	2.37	YES	
L0000663	0	0.36475E-02	260155.7	4022033.2	67.9	2.55	6.51	2.37	YES	
L0000664	0	0.36475E-02	260169.7	4022032.7	68.0	2.55	6.51	2.37	YES	
L0000665	0	0.36475E-02	260183.7	4022032.3	67.9	2.55	6.51	2.37	YES	
L0000666	0	0.36475E-02	260197.7	4022031.8	67.9	2.55	6.51	2.37	YES	
L0000667	0	0.36475E-02	260211.7	4022031.4	67.8	2.55	6.51	2.37	YES	
L0000668	0	0.36475E-02	260225.7	4022030.9	67.8	2.55	6.51	2.37	YES	
L0000669	0	0.36475E-02	260239.7	4022030.5	67.7	2.55	6.51	2.37	YES	
L0000670	0	0.36475E-02	260253.7	4022030.0	67.7	2.55	6.51	2.37	YES	
L0000671	0	0.36475E-02	260267.7	4022029.6	67.6	2.55	6.51	2.37	YES	
L0000672	0	0.36475E-02	260281.7	4022029.2	67.6	2.55	6.51	2.37	YES	
L0000673	0	0.36475E-02	260295.7	4022028.7	67.6	2.55	6.51	2.37	YES	

L0000674	0	0.36475E-02	260309.6	4022028.3	67.6	2.55	6.51	2.37 YES
L0000675	0	0.36475E-02	260323.6	4022027.8	67.7	2.55	6.51	2.37 YES
L0000676	0	0.36475E-02	260337.6	4022027.4	67.7	2.55	6.51	2.37 YES
L0000677	0	0.36475E-02	260351.6	4022026.9	67.7	2.55	6.51	2.37 YES
L0000678	0	0.36475E-02	260365.6	4022026.5	67.7	2.55	6.51	2.37 YES
L0000679	0	0.36475E-02	260379.6	4022026.0	67.7	2.55	6.51	2.37 YES
L0000680	0	0.36475E-02	260393.6	4022025.6	67.8	2.55	6.51	2.37 YES
L0000681	0	0.36475E-02	260407.6	4022025.2	67.8	2.55	6.51	2.37 YES
L0000682	0	0.36475E-02	260421.6	4022024.7	67.8	2.55	6.51	2.37 YES
L0000683	0	0.36475E-02	260435.6	4022024.3	67.8	2.55	6.51	2.37 YES
L0000684	0	0.36475E-02	260449.6	4022023.8	67.8	2.55	6.51	2.37 YES
L0000685	0	0.36475E-02	260463.6	4022023.4	67.8	2.55	6.51	2.37 YES
L0000686	0	0.36475E-02	260477.6	4022022.9	67.8	2.55	6.51	2.37 YES
L0000687	0	0.36475E-02	260491.6	4022022.5	67.8	2.55	6.51	2.37 YES
L0000688	0	0.36475E-02	260505.5	4022022.0	67.8	2.55	6.51	2.37 YES
L0000689	0	0.36475E-02	260519.5	4022021.6	67.8	2.55	6.51	2.37 YES
L0000690	0	0.36475E-02	260533.5	4022021.1	67.8	2.55	6.51	2.37 YES
L0000691	0	0.36475E-02	260547.5	4022020.7	67.8	2.55	6.51	2.37 YES
L0000692	0	0.36475E-02	260561.5	4022020.3	67.8	2.55	6.51	2.37 YES
L0000693	0	0.36475E-02	260575.5	4022019.8	67.7	2.55	6.51	2.37 YES
L0000694	0	0.36475E-02	260589.5	4022019.4	67.8	2.55	6.51	2.37 YES
L0000695	0	0.36475E-02	260603.5	4022018.9	67.8	2.55	6.51	2.37 YES
L0000696	0	0.36475E-02	260617.5	4022018.5	67.9	2.55	6.51	2.37 YES
L0000697	0	0.36475E-02	260631.5	4022018.0	68.0	2.55	6.51	2.37 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000698	0	0.36475E-02	260645.5	4022017.6	68.0	2.55	6.51	2.37	YES	
L0000699	0	0.36475E-02	260659.5	4022017.1	68.1	2.55	6.51	2.37	YES	
L0000700	0	0.36475E-02	260673.5	4022016.7	68.2	2.55	6.51	2.37	YES	
L0000701	0	0.36475E-02	260687.5	4022016.3	68.3	2.55	6.51	2.37	YES	
L0000702	0	0.36475E-02	260701.5	4022015.8	68.4	2.55	6.51	2.37	YES	
L0000703	0	0.36475E-02	260715.4	4022015.4	68.4	2.55	6.51	2.37	YES	
L0000704	0	0.36475E-02	260729.4	4022014.9	68.4	2.55	6.51	2.37	YES	
L0000705	0	0.36475E-02	260743.4	4022014.5	68.2	2.55	6.51	2.37	YES	
L0000706	0	0.36475E-02	260757.4	4022014.0	68.1	2.55	6.51	2.37	YES	
L0000707	0	0.36475E-02	260771.4	4022013.6	68.0	2.55	6.51	2.37	YES	
L0000708	0	0.36475E-02	260785.4	4022013.1	67.9	2.55	6.51	2.37	YES	
L0000709	0	0.36475E-02	260799.4	4022012.7	67.9	2.55	6.51	2.37	YES	
L0000710	0	0.36475E-02	260813.4	4022012.3	67.8	2.55	6.51	2.37	YES	
L0000711	0	0.36475E-02	260827.4	4022011.8	67.7	2.55	6.51	2.37	YES	
L0000712	0	0.36475E-02	260841.4	4022011.4	67.7	2.55	6.51	2.37	YES	
L0000713	0	0.36475E-02	260855.4	4022010.9	67.6	2.55	6.51	2.37	YES	

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 L0000714         0   0.36475E-02  260869.4 4022010.5    67.6     2.55     6.51
2.37     YES
 L0000715         0   0.36475E-02  260883.4 4022010.0    67.5     2.55     6.51
2.37     YES
 L0000716         0   0.36475E-02  260897.4 4022009.6    67.5     2.55     6.51
2.37     YES
 L0000717         0   0.36475E-02  260911.3 4022009.1    67.5     2.55     6.51
2.37     YES
 L0000718         0   0.36475E-02  260925.3 4022008.7    67.5     2.55     6.51
2.37     YES
 L0000719         0   0.36475E-02  260939.3 4022008.2    67.5     2.55     6.51
2.37     YES
 L0000720         0   0.36475E-02  260953.3 4022007.8    67.5     2.55     6.51
2.37     YES
 L0000721         0   0.36475E-02  260967.3 4022007.4    67.5     2.55     6.51
2.37     YES
 L0000722         0   0.23036E-02  260008.7 4022263.1    67.6     2.55     4.19
2.37     YES
 L0000723         0   0.23036E-02  259999.7 4022263.0    67.5     2.55     4.19
2.37     YES
 L0000724         0   0.23036E-02  259990.7 4022262.9    67.5     2.55     4.19
2.37     YES
 L0000725         0   0.23036E-02  259981.7 4022262.8    67.4     2.55     4.19
2.37     YES
 L0000726         0   0.23036E-02  259972.7 4022262.7    67.4     2.55     4.19
2.37     YES
 L0000727         0   0.23036E-02  259963.7 4022262.5    67.4     2.55     4.19
2.37     YES
 L0000728         0   0.23036E-02  259954.7 4022262.4    67.4     2.55     4.19
2.37     YES
 L0000729         0   0.23036E-02  259945.7 4022262.3    67.4     2.55     4.19
2.37     YES
 L0000730         0   0.23036E-02  259936.7 4022262.2    67.4     2.55     4.19
2.37     YES
 L0000731         0   0.23036E-02  259927.7 4022262.1    67.4     2.55     4.19
2.37     YES
 L0000732         0   0.23036E-02  259918.7 4022262.3    67.4     2.55     4.19
2.37     YES
 L0000733         0   0.23036E-02  259909.7 4022262.6    67.4     2.55     4.19
2.37     YES
 L0000734         0   0.23036E-02  259900.7 4022262.8    67.4     2.55     4.19
2.37     YES
 L0000735         0   0.23036E-02  259892.0 4022260.6    67.4     2.55     4.19
2.37     YES
 L0000736         0   0.23036E-02  259883.4 4022258.1    67.4     2.55     4.19
2.37     YES
 L0000737         0   0.23036E-02  259874.7 4022255.9    67.4     2.55     4.19
2.37     YES
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                             ***        07/18/25
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000738	0	0.23036E-02	259865.9	4022253.9	67.4	2.55	4.19	2.37	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
GEN	GEN ,
OFFSITE	L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , L0000476 , L0000477 , L0000478 , L0000479 , L0000480 , L0000481 , L0000482 , L0000483 , L0000484 ,

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L0000485    , L0000486    , L0000487    ,

             L0000488    , L0000489    , L0000490    , L0000491    , L0000492    ,
L0000493    , L0000494    , L0000495    ,

             L0000496    , L0000497    , L0000498    , L0000499    , L0000500    ,
L0000501    , L0000502    , L0000503    ,

             L0000504    , L0000505    , L0000506    , L0000507    , L0000508    ,
L0000509    , L0000510    , L0000511    ,

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L0000517    , L0000518    , L0000519    ,

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L0000525    , L0000526    , L0000527    ,

             L0000528    , L0000529    , L0000530    , L0000531    , L0000532    ,
L0000533    , L0000534    , L0000535    ,

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L0000541    , L0000542    , L0000543    ,

             L0000544    , L0000545    , L0000546    , L0000547    , L0000548    ,
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L0000573    , L0000574    , L0000575    ,

             L0000576    , L0000577    , L0000578    , L0000579    , L0000580    ,
L0000581    , L0000582    , L0000583    ,

             L0000584    , L0000585    , L0000586    , L0000587    , L0000588    ,
L0000589    , L0000590    , L0000591    ,

             L0000592    , L0000593    , L0000594    , L0000595    , L0000596    ,
L0000597    , L0000598    , L0000599    ,
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000600 , L0000601 , L0000602 , L0000603 , L0000604 , L0000605 , L0000606 , L0000607 ,
	L0000608 , L0000609 , L0000610 , L0000611 , L0000612 , L0000613 , L0000614 , L0000615 ,
	L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 ,
	L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 ,
	L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , L0000639 ,
	L0000640 , L0000641 , L0000642 , L0000643 , L0000644 , L0000645 , L0000646 , L0000647 ,
	L0000648 , L0000649 , L0000650 , L0000651 , L0000652 , L0000653 , L0000654 , L0000655 ,
	L0000656 , L0000657 , L0000658 , L0000659 , L0000660 , L0000661 , L0000662 , L0000663 ,
	L0000664 , L0000665 , L0000666 , L0000667 , L0000668 , L0000669 , L0000670 , L0000671 ,
	L0000672 , L0000673 , L0000674 , L0000675 , L0000676 , L0000677 , L0000678 , L0000679 ,
	L0000680 , L0000681 , L0000682 , L0000683 , L0000684 , L0000685 , L0000686 , L0000687 ,
	L0000688 , L0000689 , L0000690 , L0000691 , L0000692 , L0000693 , L0000694 , L0000695 ,
	L0000696 , L0000697 , L0000698 , L0000699 , L0000700 , L0000701 , L0000702 , L0000703 ,
	L0000704 , L0000705 , L0000706 , L0000707 , L0000708 , L0000709 , L0000710 , L0000711 ,

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             L0000712    , L0000713    , L0000714    , L0000715    , L0000716    ,
L0000717    , L0000718    , L0000719    ,

             L0000720    , L0000721    , L0000722    , L0000723    , L0000724    ,
L0000725    , L0000726    , L0000727    ,

             L0000728    , L0000729    , L0000730    , L0000731    , L0000732    ,
L0000733    , L0000734    , L0000735    ,

             L0000736    , L0000737    , L0000738    ,

  ONSITE     L0000094    , L0000095    , L0000096    , L0000097    , L0000098    ,
L0000099    , L0000100    , L0000101    ,

             L0000102    , L0000103    , L0000104    , L0000105    , L0000106    ,
L0000107    , L0000108    , L0000109    ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
	L0000118 , L0000119 ,
IDLE	L0000120 , L0000121 , L0000122 , L0000123 ,
ALL	L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
	L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
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 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
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L0000553 , L0000554 , L0000555 , L0000556 , L0000557 , L0000558 , L0000559 , L0000560 ,

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0000721 , L0000722 , L0000723 , L0000724 , L0000725 ,
L0000726 , L0000727 , L0000728 ,

L0000729 , L0000730 , L0000731 , L0000732 , L0000733 ,
L0000734 , L0000735 , L0000736 ,

L0000737 , L0000738 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

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               59938.   L0000094    , L0000095    , L0000096    , L0000097    ,
L0000098    , L0000099    , L0000100    ,
 L0000101    ,

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L0000569 , L0000570 , L0000571 , L0000572 , L0000573 ,
L0000574 , L0000575 , L0000576 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

L0000577 , L0000578 , L0000579 , L0000580 , L0000581 ,
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L0000585 , L0000586 , L0000587 , L0000588 , L0000589 ,
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L0000734    , L0000735    , L0000736    ,
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                              *** SOURCE IDs DEFINED AS URBAN SOURCES
***
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*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: GEN

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	6.1,	22.5,	34.6,	-2.7,	-4.5,	2	6.1,	26.7,	35.9,	-2.5,	-1.7,
3	6.1,	30.4,	36.1,	-2.2,	1.0,	4	6.1,	33.2,	35.1,	-1.9,	3.6,
5	6.1,	35.0,	33.1,	-1.4,	6.1,	6	6.1,	35.8,	30.1,	-1.0,	8.4,
7	6.1,	35.5,	26.5,	-0.8,	10.5,	8	6.1,	34.3,	22.6,	-1.1,	12.2,
9	6.1,	32.7,	18.6,	-2.0,	13.1,	10	6.1,	34.6,	22.5,	-6.7,	14.6,
11	6.1,	35.9,	26.7,	-11.6,	15.4,	12	6.1,	36.1,	30.4,	-16.2,	15.8,
13	6.1,	35.1,	33.2,	-20.2,	15.7,	14	6.1,	33.1,	35.0,	-23.6,	15.1,
15	6.1,	30.1,	35.8,	-26.3,	14.1,	16	6.1,	26.5,	35.5,	-28.2,	12.5,
17	6.1,	22.6,	34.3,	-29.3,	10.2,	18	6.1,	18.6,	32.7,	-29.5,	7.3,
19	6.1,	22.5,	34.6,	-31.9,	4.5,	20	6.1,	26.7,	35.9,	-33.4,	1.7,
21	6.1,	30.4,	36.1,	-33.8,	-1.0,	22	6.1,	33.2,	35.1,	-33.3,	-3.6,
23	6.1,	35.0,	33.1,	-31.7,	-6.1,	24	6.1,	35.8,	30.1,	-29.2,	-8.4,
25	6.1,	35.5,	26.5,	-25.7,	-10.5,	26	6.1,	34.3,	22.6,	-21.5,	-12.2,
27	6.1,	32.7,	18.6,	-16.6,	-13.1,	28	6.1,	34.6,	22.5,	-15.8,	-14.6,
29	6.1,	35.9,	26.7,	-15.0,	-15.4,	30	6.1,	36.1,	30.4,	-14.2,	-15.8,

31 6.1, 35.1, 33.2, -13.0, -15.7, 32 6.1, 33.1, 35.0, -11.4, -15.1,
33 6.1, 30.1, 35.8, -9.5, -14.1, 34 6.1, 26.5, 35.5, -7.2, -12.5,
35 6.1, 22.6, 34.3, -5.0, -10.2, 36 6.1, 18.6, 32.7, -3.2, -7.3,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = GEN ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.1000E+01	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00						

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: BKGND   ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

259429.5, 259488.2, 259546.8, 259605.4, 259664.1, 259722.7, 259781.4,
259840.0, 259898.6, 259957.3,
260015.9, 260074.6, 260133.2, 260191.8, 260250.5, 260309.1, 260367.8,
260426.4, 260485.0, 260543.7,
260602.3,

*** Y-COORDINATES OF GRID ***
(METERS)

4021822.7, 4021866.3, 4021909.8, 4021953.3, 4021996.8, 4022040.3, 4022083.9,
4022127.4, 4022170.9, 4022214.4,
4022257.9, 4022301.5, 4022345.0, 4022388.5, 4022432.0, 4022475.5, 4022519.1,

4022562.6, 4022606.1, 4022649.6,
4022693.1,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64
4022693.14	67.50	67.50	67.50	67.40	67.60	67.40	67.80	68.20	67.60
4022649.62	67.40	67.80	67.40	67.40	67.70	67.30	67.80	68.10	67.70
4022606.10	67.40	67.50	67.40	67.30	67.60	67.40	67.70	67.90	68.00
4022562.58	67.40	67.40	67.40	67.70	67.90	68.10	68.50	68.70	68.50
4022519.06	67.60	68.00	68.20	68.40	68.40	68.40	68.10	67.90	67.60
4022475.54	68.00	67.80	67.70	67.50	67.20	67.20	67.30	68.20	69.60
4022432.02	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.90
4022388.50	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.20
4022344.98	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.30	67.30
4022301.46	67.50	67.50	67.50	67.50	67.30	67.30	67.30	67.30	67.30
4022257.94	67.30	67.30	67.30	67.30	67.40	67.30	67.30	67.30	67.40
4022214.42	67.30	67.30	67.30	67.20	67.50	67.50	67.20	67.30	67.40
4022170.90	67.30	67.30	67.30	67.30	67.30	67.20	67.20	67.30	67.40
4022127.38	67.20	67.20	67.30	67.30	67.20	67.20	67.20	67.30	67.40
4022083.86	67.10	67.30	67.30	67.30	66.50				

 4022693.14 | 67.50   69.80   71.70   69.00   67.70
  67.90   68.50   68.40   68.50
 4022649.62 | 67.90   71.30   71.10   67.50   68.00
  68.40   68.80   68.90   68.80
 4022606.10 | 68.60   68.90   69.70   68.10   68.50
  68.40   68.20   68.00   67.90
 4022562.58 | 68.00   69.00   70.80   69.00   67.90
  67.80   67.80   67.90   67.90
 4022519.06 | 66.60   69.30   73.30   68.30   67.80
  67.80   67.80   67.90   67.90
 4022475.54 | 70.60   72.00   71.70   67.70   67.80
  67.80   67.80   67.80   67.90
 4022432.02 | 68.90   70.20   70.20   67.80   67.80
  67.90   67.90   67.90   67.90
 4022388.50 | 67.20   68.50   69.20   67.70   67.80
  67.80   67.80   67.80   68.00
 4022344.98 | 67.20   68.20   68.50   67.60   67.60
  67.80   67.90   67.70   67.70

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  4022301.46 |         67.30        67.90        68.00        67.60        67.60
   67.70        67.80        68.00        67.60
  4022257.94 |         67.50        67.80        67.80        67.70        67.70
   67.60        67.80        67.80        67.80
  4022214.42 |         67.40        67.60        67.60        67.90        68.10
   67.60        67.70        67.80        67.60
  4022170.90 |         67.40        67.60        67.50        68.00        68.20
   67.70        67.60        67.80        67.80
  4022127.38 |         67.70        67.60        67.60        68.10        68.30
   67.70        67.80        67.60        67.80
  4022083.86 |         67.50        67.60        68.00        68.20        68.30
   67.60        67.60        67.60        67.40
  4022040.34 |         67.40        67.60        67.80        67.90        68.00
   67.70        67.60        67.60        67.60
  4021996.82 |         67.40        67.70        67.80        67.90        67.70
   67.80        67.70        67.80        67.80
  4021953.30 |         67.40        67.70        68.00        68.00        67.50
   67.60        67.70        67.70        67.70
  4021909.78 |         67.50        67.90        68.00        67.90        67.40
   67.60        68.10        68.00        67.80
  4021866.26 |         67.40        67.80        68.00        67.90        67.30
   67.50        68.00        67.90        67.70
  4021822.74 |         67.50        68.00        68.00        67.80        67.20
   67.30        67.60        67.70        67.70
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***         07/18/25
 *** AERMET - VERSION  21112 ***    ***
                       ***         17:33:02

                                   PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                * ELEVATION HEIGHTS IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |         68.10        69.00        69.20
  4022649.62 |         68.80        68.80        68.70
  4022606.10 |         68.00        68.10        68.30
  4022562.58 |         67.80        68.30        68.40
  4022519.06 |         67.80        68.10        68.30
  4022475.54 |         67.70        67.90        68.00
  4022432.02 |         67.70        68.00        68.00
  4022388.50 |         67.80        68.00        67.90
```

  4022693.14 | 67.50   67.50   67.50   67.40   67.60
   67.40   67.80   68.20   67.60
  4022649.62 | 67.40   67.80   67.40   67.40   67.70
   67.30   67.80   68.10   67.70
  4022606.10 | 67.40   67.50   67.40   67.30   67.60
   67.40   67.70   67.90   68.00
  4022562.58 | 67.40   67.40   67.40   67.70   67.90
   68.10   68.50   68.70   68.50
  4022519.06 | 67.60   68.00   68.20   68.40   68.40
   68.40   68.10   67.90   67.60
  4022475.54 | 68.00   67.80   67.70   67.50   67.20
   67.20   67.30   68.20   69.60
  4022432.02 | 67.60   67.60   67.50   67.50   67.20
   67.20   67.20   67.20   67.90
  4022388.50 | 67.60   67.60   67.50   67.50   67.20
   67.20   67.20   67.20   67.20
  4022344.98 | 67.60   67.60   67.50   67.50   67.20
   67.20   67.20   67.30   67.30

```
  4022301.46 |         67.50        67.50        67.50        67.50        67.30
   67.30        67.30        67.30        67.30
  4022257.94 |         67.30        67.30        67.30        67.30        67.40
   67.30        67.30        67.30        67.40
  4022214.42 |         67.30        67.30        67.30        67.20        67.50
   67.50        67.20        67.30        67.40
  4022170.90 |         67.30        67.30        67.30        67.30        67.30
   67.20        67.20        67.30        67.40
  4022127.38 |         67.20        67.20        67.30        67.30        67.20
   67.20        67.20        67.30        67.40
  4022083.86 |         67.10        67.30        67.30        67.30        66.50
   67.10        67.20        67.30        67.30
  4022040.34 |         67.00        67.10        67.20        67.30        67.00
   67.00        67.30        67.30        67.40
  4021996.82 |         66.90        66.90        67.00        67.20        67.40
   67.40        67.40        67.20        67.40
  4021953.30 |         67.00        66.90        67.10        67.40        67.40
   67.50        67.40        67.20        67.50
  4021909.78 |         66.90        66.90        66.90        67.00        67.20
   67.30        67.40        67.20        67.30
  4021866.26 |         66.90        66.90        67.00        67.00        67.10
   67.40        67.40        67.20        67.20
  4021822.74 |         66.90        66.90        67.10        67.00        67.10
   67.50        67.40        67.30        67.30
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                               ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                             ***        17:33:02

                                      PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                      *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                 * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                    X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |         67.50        73.20        71.70        69.00        67.70
   67.90        68.50        68.40        68.50
  4022649.62 |         67.90        71.30        72.20        67.50        68.00
   68.40        68.80        68.90        68.80
  4022606.10 |         68.60        72.60        69.70        68.10        68.50
   68.40        68.20        68.00        67.90
  4022562.58 |         68.00        74.50        72.60        69.00        67.90
```

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  67.80        67.80        67.90        67.90
 4022519.06 |         71.80        74.50        73.30        68.30        67.80
  67.80        67.80        67.90        67.90
 4022475.54 |         71.80        72.00        74.10        67.70        67.80
  67.80        67.80        67.80        67.90
 4022432.02 |         68.90        72.50        71.80        67.80        67.80
  67.90        67.90        67.90        67.90
 4022388.50 |         67.20        71.40        69.20        67.70        67.80
  67.80        67.80        67.80        68.00
 4022344.98 |         67.20        68.20        68.50        67.60        67.60
  67.80        67.90        67.70        67.70
 4022301.46 |         67.30        67.90        68.00        67.60        67.60
  67.70        67.80        68.00        67.60
 4022257.94 |         67.50        67.80        67.80        67.70        67.70
  67.60        67.80        67.80        67.80
 4022214.42 |         67.40        67.60        67.60        67.90        68.10
  67.60        67.70        67.80        67.60
 4022170.90 |         67.40        67.60        67.50        68.00        68.20
  67.70        67.60        67.80        67.80
 4022127.38 |         67.70        67.60        67.60        68.10        68.30
  67.70        67.80        67.60        67.80
 4022083.86 |         67.50        67.60        68.00        68.20        68.30
  67.60        67.60        67.60        67.40
 4022040.34 |         67.40        67.60        67.80        67.90        68.00
  67.70        67.60        67.60        67.60
 4021996.82 |         67.40        67.70        67.80        67.90        67.70
  67.80        67.70        67.80        67.80
 4021953.30 |         67.40        67.70        68.00        68.00        67.50
  67.60        67.70        67.70        67.70
 4021909.78 |         67.50        67.90        68.00        67.90        67.40
  67.60        68.10        68.00        67.80
 4021866.26 |         67.40        67.80        68.00        67.90        67.30
  67.50        68.00        67.90        67.70
 4021822.74 |         67.50        68.00        68.00        67.80        67.20
  67.30        67.60        67.70        67.70
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:33:02

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                 * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                    X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
```

- -

4022693.14	68.10	69.00	69.20
4022649.62	68.80	68.80	68.70
4022606.10	68.00	68.10	68.30
4022562.58	67.80	68.30	68.40
4022519.06	67.80	68.10	68.30
4022475.54	67.70	67.90	68.00
4022432.02	67.70	68.00	68.00
4022388.50	67.80	68.00	67.90
4022344.98	68.00	67.90	68.10
4022301.46	67.80	68.00	67.90
4022257.94	67.60	67.90	68.10
4022214.42	67.90	67.80	68.20
4022170.90	67.90	67.90	68.10
4022127.38	67.70	68.00	67.90
4022083.86	67.70	67.80	67.80
4022040.34	67.70	67.70	67.70
4021996.82	68.00	67.80	67.90
4021953.30	67.90	67.60	68.00
4021909.78	67.50	68.20	68.30
4021866.26	67.30	67.80	67.70
4021822.74	67.10	66.80	67.10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(259632.9, 4022073.5, 67.0, 67.0, 0.0); (259632.9, 4022093.5, 67.2, 67.2, 0.0);
(259632.9, 4022113.5, 67.2, 67.2, 0.0); (259632.9, 4022133.5, 67.2, 67.2, 0.0);
(259632.9, 4022153.5, 67.2, 67.2, 0.0); (259632.9, 4022173.5, 67.2, 67.2, 0.0);
(259632.9, 4022193.5, 67.3, 67.3, 0.0); (259632.9, 4022213.5, 67.4, 67.4, 0.0);
(259632.9, 4022233.5, 67.4, 67.4, 0.0); (259652.9, 4022073.5, 66.4, 66.4, 0.0);
(259652.9, 4022093.5, 66.8, 66.8, 0.0); (259652.9, 4022113.5, 67.2, 67.2, 0.0);
(259652.9, 4022133.5, 67.2, 67.2, 0.0); (259652.9, 4022153.5, 67.2, 67.2, 0.0);

```
     ( 259652.9, 4022173.5,      67.3,      67.3,       0.0);         ( 259652.9,
4022193.5,      67.4,      67.4,       0.0);
     ( 259652.9, 4022213.5,      67.5,      67.5,       0.0);         ( 259652.9,
4022233.5,      67.6,      67.6,       0.0);
     ( 259672.9, 4022073.5,      66.3,      66.3,       0.0);         ( 259672.9,
4022093.5,      66.8,      66.8,       0.0);
     ( 259672.9, 4022113.5,      67.2,      67.2,       0.0);         ( 259672.9,
4022133.5,      67.3,      67.3,       0.0);
     ( 259672.9, 4022153.5,      67.3,      67.3,       0.0);         ( 259672.9,
4022173.5,      67.4,      67.4,       0.0);
     ( 259672.9, 4022193.5,      67.4,      67.4,       0.0);         ( 259672.9,
4022213.5,      67.5,      67.5,       0.0);
     ( 259672.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259692.9,
4022073.5,      66.7,      66.7,       0.0);
     ( 259692.9, 4022093.5,      67.0,      67.0,       0.0);         ( 259692.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259692.9, 4022133.5,      67.3,      67.3,       0.0);         ( 259692.9,
4022153.5,      67.4,      67.4,       0.0);
     ( 259692.9, 4022173.5,      67.4,      67.4,       0.0);         ( 259692.9,
4022193.5,      67.4,      67.4,       0.0);
     ( 259692.9, 4022213.5,      67.5,      67.5,       0.0);         ( 259692.9,
4022233.5,      67.6,      67.6,       0.0);
     ( 259712.9, 4022073.5,      67.1,      67.1,       0.0);         ( 259712.9,
4022093.5,      67.1,      67.1,       0.0);
     ( 259712.9, 4022113.5,      67.2,      67.2,       0.0);         ( 259712.9,
4022133.5,      67.2,      67.2,       0.0);
     ( 259712.9, 4022153.5,      67.3,      67.3,       0.0);         ( 259712.9,
4022173.5,      67.3,      67.3,       0.0);
     ( 259712.9, 4022193.5,      67.3,      67.3,       0.0);         ( 259712.9,
4022213.5,      67.5,      67.5,       0.0);
     ( 259712.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259732.9,
4022073.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022093.5,      67.2,      67.2,       0.0);         ( 259732.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259732.9, 4022133.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022153.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022173.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022193.5,      67.3,      67.3,       0.0);
     ( 259732.9, 4022213.5,      67.4,      67.4,       0.0);         ( 259732.9,
4022233.5,      67.5,      67.5,       0.0);
     ( 259752.9, 4022073.5,      67.2,      67.2,       0.0);         ( 259752.9,
4022093.5,      67.2,      67.2,       0.0);
     ( 259772.9, 4022073.5,      67.2,      67.2,       0.0);         ( 259772.9,
4022093.5,      67.2,      67.2,       0.0);
     ( 259792.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259792.9,
4022093.5,      67.2,      67.2,       0.0);
     ( 259812.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259812.9,
4022093.5,      67.3,      67.3,       0.0);
     ( 259832.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259832.9,
4022093.5,      67.3,      67.3,       0.0);
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     ( 259920.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259920.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 259920.6, 4022165.0,      67.4,      67.4,       0.0);         ( 259940.6,
4022105.0,      67.6,      67.6,       0.0);
     ( 259940.6, 4022125.0,      67.7,      67.7,       0.0);         ( 259940.6,
4022145.0,      67.6,      67.6,       0.0);
     ( 259940.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259960.6,
4022105.0,      67.6,      67.6,       0.0);
     ( 259960.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259960.6,
4022145.0,      67.6,      67.6,       0.0);
     ( 259960.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259980.6,
4022105.0,      67.5,      67.5,       0.0);
     ( 259980.6, 4022125.0,      67.5,      67.5,       0.0);         ( 259980.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 259980.6, 4022165.0,      67.4,      67.4,       0.0);         ( 260000.6,
4022105.0,      67.4,      67.4,       0.0);
     ( 260000.6, 4022125.0,      67.4,      67.4,       0.0);         ( 260000.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 260000.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259550.3,
4021844.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4021864.0,      67.0,      67.0,       0.0);         ( 259550.3,
4021884.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4021904.0,      66.9,      66.9,       0.0);         ( 259550.3,
4021924.0,      66.9,      66.9,       0.0);
     ( 259550.3, 4021944.0,      67.1,      67.1,       0.0);         ( 259550.3,
4021964.0,      67.1,      67.1,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***        17:33:02

                                    PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 259550.3, 4021984.0,      66.9,      66.9,       0.0);         ( 259550.3,
4022004.0,      67.0,      67.0,       0.0);
     ( 259550.3, 4022024.0,      67.1,      67.1,       0.0);         ( 259570.3,
4021844.0,      66.7,      66.7,       0.0);
     ( 259570.3, 4021864.0,      66.7,      66.7,       0.0);         ( 259570.3,
4021884.0,      66.7,      66.7,       0.0);
     ( 259570.3, 4021904.0,      66.7,      66.7,       0.0);         ( 259570.3,
4021924.0,      66.9,      66.9,       0.0);
     ( 259570.3, 4021944.0,      67.1,      67.1,       0.0);         ( 259570.3,
4021964.0,      67.2,      67.2,       0.0);
     ( 259570.3, 4021984.0,      67.0,      67.0,       0.0);         ( 259570.3,
4022004.0,      67.1,      67.1,       0.0);
```

```
     ( 259570.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259590.3,
4021844.0,      66.9,      66.9,       0.0);
     ( 259590.3, 4021864.0,      66.8,      66.8,       0.0);         ( 259590.3,
4021884.0,      66.8,      66.8,       0.0);
     ( 259590.3, 4021904.0,      66.9,      66.9,       0.0);         ( 259590.3,
4021924.0,      67.0,      67.0,       0.0);
     ( 259590.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259590.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259590.3, 4021984.0,      67.1,      67.1,       0.0);         ( 259590.3,
4022004.0,      67.2,      67.2,       0.0);
     ( 259590.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259610.3,
4021844.0,      67.0,      67.0,       0.0);
     ( 259610.3, 4021864.0,      67.0,      67.0,       0.0);         ( 259610.3,
4021884.0,      67.0,      67.0,       0.0);
     ( 259610.3, 4021904.0,      67.0,      67.0,       0.0);         ( 259610.3,
4021924.0,      67.1,      67.1,       0.0);
     ( 259610.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259610.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259610.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259610.3,
4022004.0,      67.2,      67.2,       0.0);
     ( 259610.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259630.3,
4021844.0,      67.1,      67.1,       0.0);
     ( 259630.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259630.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259630.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259630.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259630.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259630.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259630.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259630.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259630.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259650.3,
4021844.0,      67.1,      67.1,       0.0);
     ( 259650.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259650.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259650.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259650.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259650.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259650.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259650.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259650.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259650.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259670.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259670.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259670.3,
4022004.0,      67.4,      67.4,       0.0);
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```
     ( 259670.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259690.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259690.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259690.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259710.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259710.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259710.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259710.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259710.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259710.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259710.3,
4021964.0,      67.5,      67.5,       0.0);
     ( 259710.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259710.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259710.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259730.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259730.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259730.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259730.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259730.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259730.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259730.3,
4021964.0,      67.5,      67.5,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***        17:33:02

                                    PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 259730.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259730.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259730.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259750.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259750.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259750.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259750.3,
4021964.0,      67.5,      67.5,       0.0);
```

```
     ( 259750.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259750.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259750.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259770.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259770.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259770.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259770.3,
4021964.0,      67.5,      67.5,       0.0);
     ( 259770.3, 4021984.0,      67.5,      67.5,       0.0);         ( 259770.3,
4022004.0,      67.4,      67.4,       0.0);
     ( 259770.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259790.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259790.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259790.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259790.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259810.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259830.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259830.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259830.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259830.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259830.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259850.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021964.0,      67.2,      67.2,       0.0);
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(259850.3, 4021984.0, 67.2, 67.2, 0.0); (259850.3, 4022004.0, 67.2, 67.2, 0.0);
(259850.3, 4022024.0, 67.3, 67.3, 0.0); (259870.3, 4021844.0, 67.3, 67.3, 0.0);
(259870.3, 4021864.0, 67.2, 67.2, 0.0); (259870.3, 4021884.0, 67.1, 67.1, 0.0);
(259870.3, 4021904.0, 67.1, 67.1, 0.0); (259870.3, 4021924.0, 67.2, 67.2, 0.0);
(259870.3, 4021944.0, 67.2, 67.2, 0.0); (259870.3, 4021964.0, 67.3, 67.3, 0.0);
(259870.3, 4021984.0, 67.3, 67.3, 0.0); (259870.3, 4022004.0, 67.2, 67.2, 0.0);
(259870.3, 4022024.0, 67.3, 67.3, 0.0); (259890.3, 4021844.0, 67.3, 67.3, 0.0);
(259890.3, 4021864.0, 67.2, 67.2, 0.0); (259890.3, 4021884.0, 67.2, 67.2, 0.0);
(259890.3, 4021904.0, 67.2, 67.2, 0.0); (259890.3, 4021924.0, 67.3, 67.3, 0.0);
(259890.3, 4021944.0, 67.4, 67.4, 0.0); (259890.3, 4021964.0, 67.4, 67.4, 0.0);
(259890.3, 4021984.0, 67.4, 67.4, 0.0); (259890.3, 4022004.0, 67.3, 67.3, 0.0);
(259890.3, 4022024.0, 67.3, 67.3, 0.0); (259910.3, 4021844.0, 67.3, 67.3, 0.0);
(259910.3, 4021864.0, 67.3, 67.3, 0.0); (259910.3, 4021884.0, 67.2, 67.2, 0.0);
(259910.3, 4021904.0, 67.3, 67.3, 0.0); (259910.3, 4021924.0, 67.4, 67.4, 0.0);
(259910.3, 4021944.0, 67.5, 67.5, 0.0); (259910.3, 4021964.0, 67.5, 67.5, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(259910.3, 4021984.0, 67.5, 67.5, 0.0); (259910.3, 4022004.0, 67.3, 67.3, 0.0);
(259910.3, 4022024.0, 67.4, 67.4, 0.0); (259930.3, 4021844.0, 67.3, 67.3, 0.0);
(259930.3, 4021864.0, 67.3, 67.3, 0.0); (259930.3, 4021884.0, 67.3, 67.3, 0.0);
(259930.3, 4021904.0, 67.4, 67.4, 0.0); (259930.3, 4021924.0, 67.4, 67.4, 0.0);

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     ( 259930.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259950.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259950.3,
4021884.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259950.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259950.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259970.3,
4021844.0,      67.5,      67.5,       0.0);
     ( 259970.3, 4021864.0,      67.5,      67.5,       0.0);         ( 259970.3,
4021884.0,      67.5,      67.5,       0.0);
     ( 259970.3, 4021904.0,      67.6,      67.6,       0.0);         ( 259970.3,
4021924.0,      67.6,      67.6,       0.0);
     ( 259970.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259990.3,
4021844.0,      67.7,      67.7,       0.0);
     ( 259990.3, 4021864.0,      67.6,      67.6,       0.0);         ( 259990.3,
4021884.0,      67.6,      67.6,       0.0);
     ( 259990.3, 4021904.0,      67.8,      67.8,       0.0);         ( 259990.3,
4021924.0,      67.8,      67.8,       0.0);
     ( 259990.3, 4021944.0,      67.6,      67.6,       0.0);         ( 260122.8,
4022046.2,      68.0,      68.0,       0.0);
     ( 260142.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260142.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260142.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260142.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022166.2,      68.1,      68.1,       0.0);
     ( 260162.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260162.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260162.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260162.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260162.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260162.8,
4022166.2,      68.3,      68.3,       0.0);
     ( 260182.8, 4022066.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022126.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022166.2,      68.2,      68.2,       0.0);
     ( 260202.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260202.8,
4022086.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022106.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022126.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022166.2,      68.2,      68.2,       0.0);
     ( 260095.4, 4022187.0,      67.5,      67.5,       0.0);         ( 260095.4,
4022207.0,      67.5,      67.5,       0.0);
     ( 260095.4, 4022227.0,      67.6,      67.6,       0.0);         ( 260095.4,
4022247.0,      67.6,      67.6,       0.0);
     ( 260095.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022187.0,      67.6,      67.6,       0.0);
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     ( 260115.4, 4022207.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022227.0,      67.6,      67.6,       0.0);
     ( 260115.4, 4022247.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022267.0,      67.6,      67.6,       0.0);
     ( 260135.4, 4022187.0,      67.9,      67.9,       0.0);         ( 260135.4,
4022207.0,      67.9,      67.9,       0.0);
     ( 260135.4, 4022227.0,      67.8,      67.8,       0.0);         ( 260135.4,
4022247.0,      67.8,      67.8,       0.0);
     ( 260135.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260155.4,
4022187.0,      68.1,      68.1,       0.0);
     ( 260155.4, 4022207.0,      68.1,      68.1,       0.0);         ( 260155.4,
4022227.0,      68.0,      68.0,       0.0);
     ( 260155.4, 4022247.0,      67.9,      67.9,       0.0);         ( 260155.4,
4022267.0,      67.7,      67.7,       0.0);
     ( 260175.4, 4022187.0,      68.1,      68.1,       0.0);         ( 260175.4,
4022207.0,      68.1,      68.1,       0.0);
     ( 260175.4, 4022227.0,      68.0,      68.0,       0.0);         ( 260175.4,
4022247.0,      67.9,      67.9,       0.0);
     ( 260175.4, 4022267.0,      67.7,      67.7,       0.0);         ( 260195.4,
4022187.0,      68.1,      68.1,       0.0);
     ( 260195.4, 4022207.0,      68.1,      68.1,       0.0);         ( 260195.4,
4022227.0,      68.0,      68.0,       0.0);
     ( 260195.4, 4022247.0,      67.8,      67.8,       0.0);         ( 260195.4,
4022267.0,      67.7,      67.7,       0.0);
     ( 260063.4, 4022072.2,      67.9,      67.9,       0.0);         ( 260063.4,
4022092.2,      67.9,      67.9,       0.0);
     ( 260063.4, 4022112.2,      67.8,      67.8,       0.0);         ( 260083.4,
4022072.2,      68.0,      68.0,       0.0);
     ( 260083.4, 4022092.2,      68.0,      68.0,       0.0);         ( 260083.4,
4022112.2,      67.7,      67.7,       0.0);
     ( 260103.4, 4022072.2,      68.1,      68.1,       0.0);         ( 260103.4,
4022092.2,      68.1,      68.1,       0.0);
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***        17:33:02

                                    PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)

     ( 260103.4, 4022112.2,      67.9,      67.9,       0.0);         ( 260243.4,
4022062.8,      67.7,      67.7,       0.0);
     ( 260243.4, 4022082.8,      67.7,      67.7,       0.0);         ( 260243.4,
4022102.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022122.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022142.8,      67.8,      67.8,       0.0);
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     ( 260243.4, 4022162.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022182.8,      67.6,      67.6,       0.0);
     ( 260243.4, 4022202.8,      67.6,      67.6,       0.0);         ( 260243.4,
4022222.8,      67.5,      67.5,       0.0);
     ( 260243.4, 4022242.8,      67.5,      67.5,       0.0);         ( 260243.4,
4022262.8,      67.5,      67.5,       0.0);
     ( 260243.4, 4022282.8,      67.6,      67.6,       0.0);         ( 260243.4,
4022302.8,      67.7,      67.7,       0.0);
     ( 260243.4, 4022322.8,      67.7,      67.7,       0.0);         ( 260243.4,
4022342.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022362.8,      67.8,      67.8,       0.0);         ( 260243.4,
4022382.8,      67.8,      67.8,       0.0);
     ( 260243.4, 4022402.8,      67.9,      67.9,       0.0);         ( 260243.4,
4022422.8,      67.9,      67.9,       0.0);
     ( 260263.4, 4022362.8,      67.8,      67.8,       0.0);         ( 260263.4,
4022382.8,      67.8,      67.8,       0.0);
     ( 260263.4, 4022402.8,      67.8,      67.8,       0.0);         ( 260263.4,
4022422.8,      67.8,      67.8,       0.0);
```


                    * SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
                      LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000452	259605.4	4022519.1	-0.36
L0000453	259605.4	4022519.1	-6.34
L0000459	259664.1	4022519.1	-5.16
L0000460	259664.1	4022519.1	-3.75
L0000465	259722.7	4022519.1	-0.32
L0000466	259722.7	4022519.1	

-7.55			
	L0000467	259722.7	4022519.1
0.51			
	L0000472	259781.4	4022519.1
0.92			
	L0000486	259898.6	4022475.5
-6.84			
	L0000487	259898.6	4022475.5
-1.33			
	L0000493	259957.3	4022475.5
-0.22			
	L0000501	260015.9	4022432.0
-3.17			
	L0000503	260015.9	4022388.5
-3.36			
	L0000504	260015.9	4022388.5
-0.43			
	L0000505	260015.9	4022345.0
-3.39			
	L0000506	260015.9	4022345.0
-2.05			
	L0000507	260015.9	4022301.5
-3.24			
	L0000508	260015.9	4022301.5
-3.65			
	L0000509	260015.9	4022257.9
-2.92			
	L0000510	260015.9	4022257.9
-5.22			
	L0000511	260015.9	4022214.4
-2.44			
	L0000512	260015.9	4022214.4
-6.76			
	L0000513	260015.9	4022170.9
-1.82			
	L0000514	260015.9	4022170.9
-8.23			
	L0000515	260015.9	4022127.4
-1.06			
	L0000516	260015.9	4022127.4
-9.64			
	L0000517	260015.9	4022083.9
-0.18			
	L0000518	260015.9	4022083.9
-10.93			
	L0000519	260015.9	4022040.3
0.80			
	L0000520	260015.9	4022040.3
-12.07			
	L0000522	260015.9	4021996.8

-13.00
L0000524 260015.9 4021953.3
-13.62
L0000525 260015.9 4021953.3
-0.66
L0000526 260015.9 4021909.8
-13.86
L0000527 260015.9 4021909.8
-2.37
L0000528 260015.9 4021866.3
-13.68
L0000529 260015.9 4021866.3
-4.09
L0000530 260015.9 4021822.7
-13.11
L0000531 260015.9 4021822.7
-5.79
L0000550 260074.6 4022519.1
-6.15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000551	260074.6	4022519.1	-0.77
L0000566	260191.8	4022606.1	-2.40
L0000567	260191.8	4022606.1	-5.72
L0000615	259488.2	4022040.3	0.76
L0000619	259546.8	4022040.3	0.12

	L0000620	259546.8	4022040.3
-0.03			
	L0000623	259605.4	4022040.3
0.20			
	L0000624	259605.4	4022040.3
-2.85			
	L0000627	259664.1	4022040.3
0.99			
	L0000628	259664.1	4022040.3
-5.39			
	L0000632	259722.7	4022040.3
-7.34			
	L0000633	259722.7	4022040.3
0.59			
	L0000636	259781.4	4022040.3
-8.06			
	L0000637	259781.4	4022040.3
-2.57			
	L0000640	259840.0	4022040.3
-7.17			
	L0000641	259840.0	4022040.3
-5.69			
	L0000644	259898.6	4022040.3
-5.13			
	L0000645	259898.6	4022040.3
-8.72			
	L0000648	259957.3	4022040.3
-2.54			
	L0000649	259957.3	4022040.3
-11.28			
	L0000652	260015.9	4022040.3
0.30			
	L0000653	260015.9	4022040.3
-11.26			
	L0000654	260015.9	4022040.3
0.23			
	L0000657	260074.6	4022040.3
-8.69			
	L0000658	260074.6	4022040.3
-1.75			
	L0000660	260122.8	4022046.2
0.78			
	L0000661	260133.2	4022040.3
-5.67			
	L0000661	260122.8	4022046.2
-0.90			
	L0000662	260133.2	4022040.3
-3.13			
	L0000665	260191.8	4022040.3
-2.54			

```
                            L0000666            260191.8     4022040.3
-3.66
                            L0000669            260250.5     4022040.3
0.62
                            L0000670            260250.5     4022040.3
-3.22
                            L0000674            260309.1     4022040.3
-1.91
                            L0000678            260367.8     4022040.3
0.02
                            L0000722            260015.9     4022257.9
-0.14
                            L0000727            259957.3     4022257.9
-1.09
                            L0000728            259957.3     4022257.9
-3.84
                            L0000734            259898.6     4022257.9
-3.74
                            L0000735            259898.6     4022257.9
-1.89
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                              ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                             ***       17:33:02

                                      PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                    (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: METDAT~1\HANFOR~1.SFC
Met Version: 21112
Profile file: METDAT~1\HANFOR~1.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 53119 Upper air station no.: 23230
Name: HANFORD Name: OAKLAND/WSO_AP
Year: 2018 Year: 2018

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
18	01	01	1	01	-10.1	0.132	-9.000	-9.000	-999.	115.	20.6	0.04	0.81	1.00	2.01	337.	10.0	278.8	2.0
18	01	01	1	02	-4.0	0.082	-9.000	-9.000	-999.	57.	12.5	0.03	0.81	1.00	1.31	69.	10.0	276.4	2.0
18	01	01	1	03	-4.1	0.082	-9.000	-9.000	-999.	56.	12.0	0.02	0.81	1.00	1.40	246.	10.0	275.4	2.0
18	01	01	1	04	-4.5	0.085	-9.000	-9.000	-999.	60.	12.4	0.02	0.81	1.00	1.47	266.	10.0	275.4	2.0
18	01	01	1	05	-7.2	0.111	-9.000	-9.000	-999.	88.	17.0	0.04	0.81	1.00	1.71	330.	10.0	275.9	2.0
18	01	01	1	06	-3.3	0.074	-9.000	-9.000	-999.	48.	11.1	0.02	0.81	1.00	1.23	241.	10.0	274.2	2.0

```
 18 01 01   1 07   -5.4  0.093 -9.000 -9.000 -999.   68.     13.5  0.02   0.81
1.00    1.62  176.   10.0  274.9    2.0
 18 01 01   1 08   -7.2  0.111 -9.000 -9.000 -999.   89.     17.2  0.03   0.81
0.64    1.77  114.   10.0  274.9    2.0
 18 01 01   1 09    7.8  0.118  0.205  0.006   40.   97.    -19.1  0.02   0.81
0.35    1.60  153.   10.0  277.0    2.0
 18 01 01   1 10   50.9  0.142  0.637  0.006  183.  128.     -5.1  0.02   0.81
0.26    1.64  201.   10.0  280.9    2.0
 18 01 01   1 11   82.6  0.123  1.024  0.016  471.  103.     -2.0  0.04   0.81
0.22    1.08   31.   10.0  284.9    2.0
 18 01 01   1 12   99.0  0.150  1.153  0.017  561.  139.     -3.1  0.03   0.81
0.21    1.50   62.   10.0  286.1    2.0
 18 01 01   1 13   99.9  0.149  1.209  0.019  640.  138.     -3.0  0.04   0.81
0.21    1.42  356.   10.0  287.5    2.0
 18 01 01   1 14   85.6  0.161  1.192  0.019  714.  156.     -4.4  0.02   0.81
0.22    1.93  293.   10.0  289.9    2.0
 18 01 01   1 15   55.9  0.189  1.041  0.019  728.  198.    -11.0  0.02   0.81
0.25    2.49  296.   10.0  290.4    2.0
 18 01 01   1 16   13.6  0.148  0.651  0.019  731.  136.    -21.3  0.02   0.81
0.34    1.98  328.   10.0  289.2    2.0
 18 01 01   1 17   -3.7  0.082 -9.000 -9.000 -999.   57.     13.4  0.04   0.81
0.61    1.26  340.   10.0  285.9    2.0
 18 01 01   1 18   -5.8  0.098 -9.000 -9.000 -999.   73.     14.4  0.02   0.81
1.00    1.67  230.   10.0  283.1    2.0
 18 01 01   1 19   -2.9  0.070 -9.000 -9.000 -999.   45.     11.0  0.02   0.81
1.00    1.13  202.   10.0  281.4    2.0
 18 01 01   1 20   -4.9  0.090 -9.000 -9.000 -999.   65.     13.7  0.03   0.81
1.00    1.45  110.   10.0  279.9    2.0
 18 01 01   1 21   -2.2  0.065 -9.000 -9.000 -999.   40.     11.6  0.03   0.81
1.00    0.89  107.   10.0  278.8    2.0
 18 01 01   1 22   -2.4  0.070 -9.000 -9.000 -999.   44.     12.8  0.06   0.81
1.00    0.87   15.   10.0  279.9    2.0
 18 01 01   1 23   -3.2  0.075 -9.000 -9.000 -999.   49.     11.8  0.03   0.81
1.00    1.16   85.   10.0  279.2    2.0
 18 01 01   1 24   -4.9  0.091 -9.000 -9.000 -999.   66.     14.1  0.04   0.81
1.00    1.40   53.   10.0  277.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1  337.    2.01   278.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***

INCLUDING SOURCE(S): GEN ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)									
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64	
4022693.14	0.00166	0.00187	0.00208	0.00228	0.00254	0.00291	0.00340	0.00382	0.00361	
4022649.62	0.00166	0.00191	0.00218	0.00245	0.00274	0.00313	0.00371	0.00431	0.00420	
4022606.10	0.00166	0.00191	0.00224	0.00261	0.00298	0.00340	0.00404	0.00485	0.00495	
4022562.58	0.00168	0.00192	0.00225	0.00270	0.00321	0.00371	0.00440	0.00545	0.00597	
4022519.06	0.00173	0.00195	0.00226	0.00271	0.00334	0.00406	0.00486	0.00605	0.00723	
4022475.54	0.00181	0.00205	0.00235	0.00277	0.00337	0.00429	0.00536	0.00661	0.00870	
4022432.02	0.00184	0.00212	0.00247	0.00291	0.00347	0.00434	0.00563	0.00700	0.00954	
4022388.50	0.00177	0.00207	0.00246	0.00298	0.00364	0.00452	0.00559	0.00692	0.00900	
4022344.98	0.00161	0.00188	0.00224	0.00274	0.00342	0.00438	0.00557	0.00647	0.00557	
4022301.46	0.00144	0.00166	0.00195	0.00234	0.00288	0.00362	0.00449	0.00507	0.00324	
4022257.94	0.00129	0.00148	0.00172	0.00204	0.00247	0.00307	0.00378	0.00428	0.00411	
4022214.42	0.00119	0.00135	0.00156	0.00184	0.00223	0.00275	0.00331	0.00372	0.00450	
4022170.90	0.00111	0.00126	0.00146	0.00172	0.00205	0.00244	0.00281	0.00330	0.00428	
4022127.38	0.00106	0.00120	0.00138	0.00160	0.00185	0.00210	0.00240	0.00294	0.00384	
4022083.86	0.00102	0.00115	0.00131	0.00148	0.00163	0.00181	0.00211	0.00260	0.00336	
4022040.34	0.00099	0.00110	0.00122	0.00134	0.00145	0.00161	0.00188	0.00230	0.00291	
4021996.82	0.00095	0.00104	0.00113	0.00120	0.00130					

0.00145 0.00170 0.00204 0.00253
4021953.30 | 0.00091 0.00097 0.00103 0.00109 0.00118
0.00132 0.00154 0.00183 0.00222
4021909.78 | 0.00086 0.00090 0.00094 0.00099 0.00108
0.00122 0.00141 0.00164 0.00197
4021866.26 | 0.00080 0.00083 0.00086 0.00091 0.00100
0.00113 0.00129 0.00149 0.00175
4021822.74 | 0.00075 0.00077 0.00080 0.00085 0.00093
0.00105 0.00119 0.00135 0.00157

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): GEN ,

*** NETWORK ID: BKGND ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Y-COORD | X-COORD (METERS)
(METERS) | 259957.28 260015.92 260074.56 260133.20 260191.84
260250.48 260309.12 260367.76 260426.40
- -

4022693.14 | 0.00291 0.00242 0.00213 0.00187 0.00154
0.00123 0.00102 0.00090 0.00082
4022649.62 | 0.00329 0.00270 0.00236 0.00198 0.00155
0.00124 0.00106 0.00095 0.00087
4022606.10 | 0.00374 0.00305 0.00260 0.00204 0.00156
0.00130 0.00115 0.00104 0.00095
4022562.58 | 0.00433 0.00349 0.00279 0.00206 0.00164
0.00141 0.00126 0.00113 0.00101
4022519.06 | 0.00496 0.00396 0.00291 0.00213 0.00178
0.00156 0.00137 0.00120 0.00106
4022475.54 | 0.00581 0.00436 0.00295 0.00234 0.00199
0.00171 0.00146 0.00125 0.00108
4022432.02 | 0.00632 0.00426 0.00315 0.00264 0.00218
0.00181 0.00152 0.00129 0.00111
4022388.50 | 0.00587 0.00404 0.00349 0.00289 0.00235
0.00193 0.00161 0.00136 0.00116
4022344.98 | 0.00336 0.00423 0.00410 0.00350 0.00285

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): GEN ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	0.00076	0.00070	0.00065
4022649.62	0.00080	0.00074	0.00068

4022606.10	0.00086	0.00078	0.00071
4022562.58	0.00090	0.00081	0.00073
4022519.06	0.00093	0.00082	0.00073
4022475.54	0.00095	0.00083	0.00074
4022432.02	0.00096	0.00084	0.00075
4022388.50	0.00101	0.00088	0.00078
4022344.98	0.00115	0.00100	0.00087
4022301.46	0.00141	0.00120	0.00104
4022257.94	0.00177	0.00149	0.00127
4022214.42	0.00216	0.00180	0.00152
4022170.90	0.00252	0.00209	0.00176
4022127.38	0.00287	0.00235	0.00198
4022083.86	0.00324	0.00262	0.00218
4022040.34	0.00366	0.00292	0.00240
4021996.82	0.00407	0.00324	0.00264
4021953.30	0.00444	0.00356	0.00289
4021909.78	0.00472	0.00382	0.00312
4021866.26	0.00490	0.00403	0.00333
4021822.74	0.00497	0.00416	0.00348

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	0.00151	259632.90	4022093.46	0.00159
259632.90	4022113.46	0.00167	259632.90	4022133.46	0.00174
259632.90	4022153.46	0.00181	259632.90	4022173.46	0.00187
259632.90	4022193.46	0.00193	259632.90	4022213.46	0.00200
259632.90	4022233.46	0.00209	259652.90		

```
4022073.46        0.00155
         259652.90    4022093.46        0.00165                   259652.90
4022113.46        0.00174
         259652.90    4022133.46        0.00183                   259652.90
4022153.46        0.00191
         259652.90    4022173.46        0.00199                   259652.90
4022193.46        0.00206
         259652.90    4022213.46        0.00214                   259652.90
4022233.46        0.00223
         259672.90    4022073.46        0.00160                   259672.90
4022093.46        0.00171
         259672.90    4022113.46        0.00182                   259672.90
4022133.46        0.00192
         259672.90    4022153.46        0.00202                   259672.90
4022173.46        0.00211
         259672.90    4022193.46        0.00221                   259672.90
4022213.46        0.00230
         259672.90    4022233.46        0.00240                   259692.90
4022073.46        0.00166
         259692.90    4022093.46        0.00177                   259692.90
4022113.46        0.00189
         259692.90    4022133.46        0.00201                   259692.90
4022153.46        0.00213
         259692.90    4022173.46        0.00225                   259692.90
4022193.46        0.00236
         259692.90    4022213.46        0.00247                   259692.90
4022233.46        0.00258
         259712.90    4022073.46        0.00172                   259712.90
4022093.46        0.00183
         259712.90    4022113.46        0.00196                   259712.90
4022133.46        0.00210
         259712.90    4022153.46        0.00225                   259712.90
4022173.46        0.00239
         259712.90    4022193.46        0.00253                   259712.90
4022213.46        0.00265
         259712.90    4022233.46        0.00278                   259732.90
4022073.46        0.00180
         259732.90    4022093.46        0.00191                   259732.90
4022113.46        0.00204
         259732.90    4022133.46        0.00219                   259732.90
4022153.46        0.00235
         259732.90    4022173.46        0.00252                   259732.90
4022193.46        0.00269
         259732.90    4022213.46        0.00285                   259732.90
4022233.46        0.00299
         259752.90    4022073.46        0.00188                   259752.90
4022093.46        0.00200
         259772.90    4022073.46        0.00199                   259772.90
4022093.46        0.00211
         259792.90    4022073.46        0.00213                   259792.90
```

4022093.46   0.00225
         259812.90   4022073.46   0.00228   259812.90
4022093.46   0.00241
         259832.90   4022073.46   0.00246   259832.90
4022093.46   0.00260
         259920.63   4022125.03   0.00444   259920.63
4022145.03   0.00472
         259920.63   4022165.03   0.00496   259940.63
4022105.03   0.00503
         259940.63   4022125.03   0.00547   259940.63
4022145.03   0.00593
         259940.63   4022165.03   0.00640   259960.63
4022105.03   0.00658
         259960.63   4022125.03   0.00743   259960.63
4022145.03   0.00844
         259960.63   4022165.03   0.00967   259980.63
4022105.03   0.00909
         259980.63   4022125.03   0.01070   259980.63
4022145.03   0.01283
         259980.63   4022165.03   0.01565   260000.63
4022105.03   0.01261

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN   ***
                                   INCLUDING SOURCE(S):   GEN   ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         260000.63   4022125.03   0.01535   260000.63
4022145.03   0.01886
         260000.63   4022165.03   0.02317   259550.34
4021844.01   0.00083
         259550.34   4021864.01   0.00086   259550.34
4021884.01   0.00089
         259550.34   4021904.01   0.00093   259550.34

```
4021924.01        0.00097
         259550.34    4021944.01        0.00101                   259550.34
4021964.01        0.00106
         259550.34    4021984.01        0.00110                   259550.34
4022004.01        0.00115
         259550.34    4022024.01        0.00119                   259570.34
4021844.01        0.00084
         259570.34    4021864.01        0.00087                   259570.34
4021884.01        0.00091
         259570.34    4021904.01        0.00094                   259570.34
4021924.01        0.00098
         259570.34    4021944.01        0.00103                   259570.34
4021964.01        0.00108
         259570.34    4021984.01        0.00112                   259570.34
4022004.01        0.00118
         259570.34    4022024.01        0.00123                   259590.34
4021844.01        0.00086
         259590.34    4021864.01        0.00089                   259590.34
4021884.01        0.00093
         259590.34    4021904.01        0.00096                   259590.34
4021924.01        0.00100
         259590.34    4021944.01        0.00105                   259590.34
4021964.01        0.00110
         259590.34    4021984.01        0.00115                   259590.34
4022004.01        0.00120
         259590.34    4022024.01        0.00126                   259610.34
4021844.01        0.00088
         259610.34    4021864.01        0.00092                   259610.34
4021884.01        0.00095
         259610.34    4021904.01        0.00099                   259610.34
4021924.01        0.00103
         259610.34    4021944.01        0.00107                   259610.34
4021964.01        0.00112
         259610.34    4021984.01        0.00117                   259610.34
4022004.01        0.00123
         259610.34    4022024.01        0.00129                   259630.34
4021844.01        0.00091
         259630.34    4021864.01        0.00094                   259630.34
4021884.01        0.00098
         259630.34    4021904.01        0.00101                   259630.34
4021924.01        0.00105
         259630.34    4021944.01        0.00110                   259630.34
4021964.01        0.00115
         259630.34    4021984.01        0.00120                   259630.34
4022004.01        0.00126
         259630.34    4022024.01        0.00133                   259650.34
4021844.01        0.00094
         259650.34    4021864.01        0.00097                   259650.34
4021884.01        0.00101
         259650.34    4021904.01        0.00104                   259650.34
```

```
4021924.01        0.00108
         259650.34    4021944.01        0.00113                        259650.34
4021964.01        0.00118
         259650.34    4021984.01        0.00123                        259650.34
4022004.01        0.00129
         259650.34    4022024.01        0.00136                        259670.34
4021844.01        0.00097
         259670.34    4021864.01        0.00101                        259670.34
4021884.01        0.00104
         259670.34    4021904.01        0.00108                        259670.34
4021924.01        0.00112
         259670.34    4021944.01        0.00117                        259670.34
4021964.01        0.00122
         259670.34    4021984.01        0.00127                        259670.34
4022004.01        0.00133
         259670.34    4022024.01        0.00140                        259690.34
4021844.01        0.00101
         259690.34    4021864.01        0.00105                        259690.34
4021884.01        0.00108
         259690.34    4021904.01        0.00112                        259690.34
4021924.01        0.00116
         259690.34    4021944.01        0.00121                        259690.34
4021964.01        0.00126
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN       ***
                                   INCLUDING SOURCE(S):     GEN         ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         259690.34    4021984.01        0.00132                        259690.34
4022004.01        0.00138
         259690.34    4022024.01        0.00145                        259710.34
4021844.01        0.00106
         259710.34    4021864.01        0.00109                        259710.34
```

4021884.01 0.00113
259710.34 4021904.01 0.00117 259710.34
4021924.01 0.00122
259710.34 4021944.01 0.00126 259710.34
4021964.01 0.00131
259710.34 4021984.01 0.00137 259710.34
4022004.01 0.00143
259710.34 4022024.01 0.00150 259730.34
4021844.01 0.00110
259730.34 4021864.01 0.00114 259730.34
4021884.01 0.00118
259730.34 4021904.01 0.00123 259730.34
4021924.01 0.00127
259730.34 4021944.01 0.00132 259730.34
4021964.01 0.00138
259730.34 4021984.01 0.00144 259730.34
4022004.01 0.00150
259730.34 4022024.01 0.00157 259750.34
4021844.01 0.00115
259750.34 4021864.01 0.00120 259750.34
4021884.01 0.00124
259750.34 4021904.01 0.00129 259750.34
4021924.01 0.00134
259750.34 4021944.01 0.00139 259750.34
4021964.01 0.00145
259750.34 4021984.01 0.00151 259750.34
4022004.01 0.00158
259750.34 4022024.01 0.00165 259770.34
4021844.01 0.00121
259770.34 4021864.01 0.00125 259770.34
4021884.01 0.00130
259770.34 4021904.01 0.00135 259770.34
4021924.01 0.00141
259770.34 4021944.01 0.00147 259770.34
4021964.01 0.00153
259770.34 4021984.01 0.00160 259770.34
4022004.01 0.00167
259770.34 4022024.01 0.00175 259790.34
4021844.01 0.00127
259790.34 4021864.01 0.00132 259790.34
4021884.01 0.00137
259790.34 4021904.01 0.00143 259790.34
4021924.01 0.00149
259790.34 4021944.01 0.00155 259790.34
4021964.01 0.00162
259790.34 4021984.01 0.00170 259790.34
4022004.01 0.00178
259790.34 4022024.01 0.00186 259810.34
4021844.01 0.00132
259810.34 4021864.01 0.00138 259810.34

4021884.01   0.00144
        259810.34   4021904.01   0.00150   259810.34
4021924.01   0.00157
        259810.34   4021944.01   0.00164   259810.34
4021964.01   0.00172
        259810.34   4021984.01   0.00180   259810.34
4022004.01   0.00189
        259810.34   4022024.01   0.00199   259830.34
4021844.01   0.00139
        259830.34   4021864.01   0.00145   259830.34
4021884.01   0.00151
        259830.34   4021904.01   0.00158   259830.34
4021924.01   0.00166
        259830.34   4021944.01   0.00174   259830.34
4021964.01   0.00182
        259830.34   4021984.01   0.00192   259830.34
4022004.01   0.00202
        259830.34   4022024.01   0.00212   259850.34
4021844.01   0.00145
        259850.34   4021864.01   0.00152   259850.34
4021884.01   0.00159
        259850.34   4021904.01   0.00167   259850.34
4021924.01   0.00175
        259850.34   4021944.01   0.00184   259850.34
4021964.01   0.00193

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S):   GEN   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
- -
        259850.34   4021984.01   0.00204   259850.34
4022004.01   0.00215
        259850.34   4022024.01   0.00227   259870.34

```
4021844.01        0.00153
         259870.34    4021864.01        0.00160                   259870.34
4021884.01        0.00168
         259870.34    4021904.01        0.00176                   259870.34
4021924.01        0.00185
         259870.34    4021944.01        0.00196                   259870.34
4021964.01        0.00206
         259870.34    4021984.01        0.00218                   259870.34
4022004.01        0.00231
         259870.34    4022024.01        0.00244                   259890.34
4021844.01        0.00161
         259890.34    4021864.01        0.00170                   259890.34
4021884.01        0.00178
         259890.34    4021904.01        0.00188                   259890.34
4021924.01        0.00198
         259890.34    4021944.01        0.00210                   259890.34
4021964.01        0.00222
         259890.34    4021984.01        0.00235                   259890.34
4022004.01        0.00250
         259890.34    4022024.01        0.00265                   259910.34
4021844.01        0.00172
         259910.34    4021864.01        0.00181                   259910.34
4021884.01        0.00191
         259910.34    4021904.01        0.00202                   259910.34
4021924.01        0.00214
         259910.34    4021944.01        0.00227                   259910.34
4021964.01        0.00242
         259910.34    4021984.01        0.00257                   259910.34
4022004.01        0.00274
         259910.34    4022024.01        0.00293                   259930.34
4021844.01        0.00186
         259930.34    4021864.01        0.00196                   259930.34
4021884.01        0.00208
         259930.34    4021904.01        0.00221                   259930.34
4021924.01        0.00235
         259930.34    4021944.01        0.00250                   259950.34
4021844.01        0.00202
         259950.34    4021864.01        0.00214                   259950.34
4021884.01        0.00228
         259950.34    4021904.01        0.00244                   259950.34
4021924.01        0.00261
         259950.34    4021944.01        0.00280                   259970.34
4021844.01        0.00222
         259970.34    4021864.01        0.00237                   259970.34
4021884.01        0.00254
         259970.34    4021904.01        0.00274                   259970.34
4021924.01        0.00295
         259970.34    4021944.01        0.00320                   259990.34
4021844.01        0.00247
         259990.34    4021864.01        0.00266                   259990.34
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4021884.01        0.00287
         259990.34    4021904.01        0.00312                        259990.34
4021924.01        0.00340
         259990.34    4021944.01        0.00373                        260122.80
4022046.18        0.01787
         260142.80    4022066.18        0.01864                        260142.80
4022086.18        0.01938
         260142.80    4022106.18        0.01970                        260142.80
4022126.18        0.01959
         260142.80    4022146.18        0.01892                        260142.80
4022166.18        0.01765
         260162.80    4022066.18        0.01735                        260162.80
4022086.18        0.01767
         260162.80    4022106.18        0.01761                        260162.80
4022126.18        0.01713
         260162.80    4022146.18        0.01625                        260162.80
4022166.18        0.01494
         260182.80    4022066.18        0.01587                        260182.80
4022086.18        0.01588
         260182.80    4022106.18        0.01558                        260182.80
4022126.18        0.01494
         260182.80    4022146.18        0.01395                        260182.80
4022166.18        0.01267
         260202.80    4022066.18        0.01434                        260202.80
4022086.18        0.01414
         260202.80    4022106.18        0.01370                        260202.80
4022126.18        0.01298
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       17:33:02

                                  PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN       ***
                                   INCLUDING SOURCE(S):     GEN         ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         260202.80    4022146.18        0.01199                        260202.80
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4022166.18 0.01082
260095.45 4022187.01 0.02396 260095.45
4022207.01 0.02115
260095.45 4022227.01 0.01748 260095.45
4022247.01 0.01367
260095.45 4022267.01 0.01044 260115.45
4022187.01 0.02013
260115.45 4022207.01 0.01746 260115.45
4022227.01 0.01440
260115.45 4022247.01 0.01148 260115.45
4022267.01 0.00907
260135.45 4022187.01 0.01681 260135.45
4022207.01 0.01446
260135.45 4022227.01 0.01202 260135.45
4022247.01 0.00980
260135.45 4022267.01 0.00794 260155.45
4022187.01 0.01406
260155.45 4022207.01 0.01209 260155.45
4022227.01 0.01017
260155.45 4022247.01 0.00846 260155.45
4022267.01 0.00700
260175.45 4022187.01 0.01185 260175.45
4022207.01 0.01025
260175.45 4022227.01 0.00873 260175.45
4022247.01 0.00738
260175.45 4022267.01 0.00621 260195.45
4022187.01 0.01009
260195.45 4022207.01 0.00879 260195.45
4022227.01 0.00758
260195.45 4022247.01 0.00650 260195.45
4022267.01 0.00554
260063.43 4022072.23 0.01815 260063.43
4022092.23 0.02111
260063.43 4022112.23 0.02424 260083.43
4022072.23 0.01965
260083.43 4022092.23 0.02222 260083.43
4022112.23 0.02466
260103.43 4022072.23 0.02018 260103.43
4022092.23 0.02213
260103.43 4022112.23 0.02373 260243.42
4022062.81 0.01155
260243.42 4022082.81 0.01118 260243.42
4022102.81 0.01064
260243.42 4022122.81 0.00993 260243.42
4022142.81 0.00911
260243.42 4022162.81 0.00825 260243.42
4022182.81 0.00738
260243.42 4022202.81 0.00655 260243.42
4022222.81 0.00579
260243.42 4022242.81 0.00510 260243.42

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4022262.81        0.00445
         260243.42    4022282.81        0.00382                       260243.42
4022302.81        0.00325
         260243.42    4022322.81        0.00276                       260243.42
4022342.81        0.00239
         260243.42    4022362.81        0.00215                       260243.42
4022382.81        0.00201
         260243.42    4022402.81        0.00192                       260243.42
4022422.81        0.00187
         260263.42    4022362.81        0.00202                       260263.42
4022382.81        0.00188
         260263.42    4022402.81        0.00181                       260263.42
4022422.81        0.00176
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE  ***
                                    INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                   L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                   L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                   L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259429.52    259488.16    259546.80    259605.44    259664.08
259722.72    259781.36    259840.00    259898.64
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       2.25751      2.57151      2.94526      3.30941      3.61205
 3.82537      3.97104      4.07225      4.16217
  4022649.62 |       2.49955      2.94039      3.52479      4.11207      4.56369
 4.82384      4.95538      5.00595      5.07250
  4022606.10 |       2.76291      3.40373      4.45224      5.56802      6.33489
 6.65814      6.64542      6.48210      6.41822
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  4022562.58 |       3.01080      3.95717      6.29183      9.34995     10.98915
11.49868     10.54920      9.36968      8.68812
  4022519.06 |       3.19159      4.34976     11.22982     19.85703     22.33252
19.31873     24.68543     17.90336     13.42377
  4022475.54 |       3.29510      4.25766      6.68881     13.90927     15.95334
17.13667     21.18582     33.16115     28.43857
  4022432.02 |       3.35679      3.99721      5.00943      7.22491      9.80027
11.18215     12.78510     15.71666     20.30292
  4022388.50 |       3.42992      3.87690      4.48889      5.53130      7.20731
 8.68004      9.99927     11.77734     14.18189
  4022344.98 |       3.57282      3.92013      4.36938      5.04173      6.11341
 7.43436      8.82180     10.67646     13.12554
  4022301.46 |       3.82451      4.11408      4.47864      4.98926      5.75874
 6.87117      8.39010     11.22569     16.10454
  4022257.94 |       4.23336      4.48214      4.79012      5.20734      5.81497
 6.74039      8.24931     12.96560     24.47493
  4022214.42 |       4.89935      5.11135      5.37246      5.72065      6.22018
 6.98281      8.22929     10.67232     17.47259
  4022170.90 |       6.06329      6.22825      6.43622      6.71861      7.12014
 7.71770      8.62466     10.00313     12.61348
  4022127.38 |       8.48737      8.55022      8.65544      8.82610      9.09211
 9.50453     10.13705     11.11795     12.86735
  4022083.86 |      16.34319     15.88540     15.50529     15.22254     14.88442
15.03132     15.23040     15.77953     16.99612
  4022040.34 |      30.81324     25.00387     20.66685     20.31412     20.41921
23.95615     22.93771     22.55718     23.42473
  4021996.82 |      14.10593     14.61811     15.18889     15.84428     16.52742
17.32329     18.30121     19.55531     21.51472
  4021953.30 |       9.33847      9.64788      9.99936     10.37949     10.81134
11.33166     12.00499     12.95306     14.54428
  4021909.78 |       7.06042      7.31152      7.57809      7.87983      8.23598
 8.66963      9.24488     10.08878     11.55953
  4021866.26 |       5.70460      5.92555      6.16082      6.42167      6.73258
 7.12340      7.64847      8.43626      9.84304
  4021822.74 |       4.78318      4.98826      5.20436      5.44046      5.72346
 6.08282      6.57234      7.32117      8.68411
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                   PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE  ***
                                   INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
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                 L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                 L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                            X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       4.30230      4.57463      4.92007      5.38426      5.62175
 5.07990      3.72492      2.85953      2.38192
  4022649.62 |       5.27529      5.75759      6.61373      8.06245     10.49457
11.11816      4.99071      3.30059      2.62830
  4022606.10 |       6.66302      7.43795      9.68552     15.96626     19.58170
22.85841      6.64029      3.72292      2.86968
  4022562.58 |       8.68979     10.01723     16.88325     32.15600     16.83189
11.92649      7.69350      4.28920      3.15583
  4022519.06 |      12.22963     14.36155     21.97519     17.13427     11.76895
 9.05269      7.02784      4.84070      3.50865
  4022475.54 |      26.36405     29.80349     28.30618     13.32354      9.86550
 7.87798      6.46324      5.08248      3.88223
  4022432.02 |      23.74569     29.57302     26.70666     12.54715      9.12718
 7.38366      6.18966      5.16913      4.19770
  4022388.50 |      17.14740     20.06966     23.48981     12.85191      9.04788
 7.24879      6.11989      5.24693      4.45334
  4022344.98 |      16.13311     19.24290     22.87565     13.25817      9.36003
 7.39097      6.22331      5.38828      4.69089
  4022301.46 |      19.57161     20.93510     22.97931     13.62809      9.83295
 7.73607      6.48395      5.64252      4.97722
  4022257.94 |      30.93821     26.74138     23.48727     14.03555     10.35421
 8.23903      6.92262      6.03496      5.37492
  4022214.42 |      22.59949     25.75633     24.47403     14.63094     11.00733
 8.91218      7.56191      6.63167      5.94313
  4022170.90 |      17.47973     22.55770     25.06203     15.60027     11.92824
 9.87016      8.50545      7.54249      6.82154
  4022127.38 |      16.82013     22.41129     25.69823     17.17270     13.54967
11.48173     10.10398      9.08241      8.31559
  4022083.86 |      20.25605     25.81642     28.83400     20.81172     17.29313
15.11371     13.60816     12.45183     11.50274
  4022040.34 |      26.75437     28.42987     35.40143     27.10616     23.64019
21.58425     23.79541     21.99352     24.46352
  4021996.82 |      25.38297     36.94796     34.95119     28.63683     26.48857
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE ***
                                   INCLUDING SOURCE(S):   L0000448   , L0000449
, L0000450   , L0000451   , L0000452   ,
                  L0000453   , L0000454   , L0000455   , L0000456   , L0000457
, L0000458   , L0000459   , L0000460   ,
                  L0000461   , L0000462   , L0000463   , L0000464   , L0000465
, L0000466   , L0000467   , L0000468   ,
                  L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                    *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 260485.04   260543.68   260602.32
 -
- -

  4022693.14 | 2.07016   1.84697   1.67250
  4022649.62 | 2.24336   1.98183   1.78542
  4022606.10 | 2.41985   2.12468   1.90739
  4022562.58 | 2.61929   2.28592   2.04424
  4022519.06 | 2.85373   2.46795   2.19832
  4022475.54 | 3.13281   2.68224   2.37606
  4022432.02 | 3.44147   2.93558   2.58649
  4022388.50 | 3.75346   3.22191   2.83421
  4022344.98 | 4.06615   3.53838   3.12656
  4022301.46 | 4.40410   3.89879   3.47400
  4022257.94 | 4.82039   4.33517   3.90782

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITE ***

INCLUDING SOURCE(S): L0000448 , L0000449 , L0000450 , L0000451 , L0000452 ,
L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 ,
L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 ,
L0000469 , L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	18.81670	259632.90	4022093.46	12.90630
259632.90	4022113.46	10.12309	259632.90	4022133.46	8.52998
259632.90	4022153.46	7.51055	259632.90	4022173.46	6.81084
259632.90	4022193.46	6.31060	259632.90	4022213.46	5.94592
259632.90	4022233.46	5.68103	259652.90	4022073.46	18.28704
259652.90	4022093.46	12.88025	259652.90		

4022214.42	5.39546	4.91243	4.48243		
4022170.90	6.24928	5.75718	5.31462		
4022127.38	7.69148	7.16727	6.68801		
4022083.86	10.78238	10.13621	9.53677		
4022040.34	22.68855	21.09082	19.58799		
4021996.82	25.86289	26.42333	27.11760		
4021953.30	14.26501	14.03533	13.94625		
4021909.78	10.39510	10.08896	9.81773		
4021866.26	8.47078	8.13024	7.81706		
4021822.74	7.29250	6.92472	6.61714		

4022113.46 10.19237
259652.90 4022133.46 8.63394 259652.90
4022153.46 7.63822
259652.90 4022173.46 6.95683 259652.90
4022193.46 6.47239
259652.90 4022213.46 6.12352 259652.90
4022233.46 5.87546
259672.90 4022073.46 18.09988 259672.90
4022093.46 12.89832
259672.90 4022113.46 10.27860 259672.90
4022133.46 8.75621
259672.90 4022153.46 7.78458 259672.90
4022173.46 7.12357
259672.90 4022193.46 6.65782 259672.90
4022213.46 6.32749
259672.90 4022233.46 6.09927 259692.90
4022073.46 18.24627
259692.90 4022093.46 12.96068 259692.90
4022113.46 10.38141
259692.90 4022133.46 8.89570 259692.90
4022153.46 7.95178
259692.90 4022173.46 7.31514 259692.90
4022193.46 6.87195
259692.90 4022213.46 6.56401 259692.90
4022233.46 6.35900
259712.90 4022073.46 18.31075 259712.90
4022093.46 13.03397
259712.90 4022113.46 10.50320 259712.90
4022133.46 9.05571
259712.90 4022153.46 8.14308 259712.90
4022173.46 7.53561
259712.90 4022193.46 7.12042 259712.90
4022213.46 6.83999
259712.90 4022233.46 6.66193 259732.90
4022073.46 18.24034
259732.90 4022093.46 13.11662 259732.90
4022113.46 10.64678
259732.90 4022133.46 9.23635 259732.90
4022153.46 8.35863
259732.90 4022173.46 7.78746 259732.90
4022193.46 7.41000
259732.90 4022213.46 7.16406 259732.90
4022233.46 7.01711
259752.90 4022073.46 18.20352 259752.90
4022093.46 13.22335
259772.90 4022073.46 18.19084 259772.90
4022093.46 13.35801
259792.90 4022073.46 18.22676 259792.90
4022093.46 13.52858
259812.90 4022073.46 18.30277 259812.90

```
4022093.46       13.74266
         259832.90    4022073.46       18.43050                       259832.90
4022093.46       14.00391
         259920.63    4022125.03       14.04664                       259920.63
4022145.03       13.66902
         259920.63    4022165.03       13.98906                       259940.63
4022105.03       16.41736
         259940.63    4022125.03       15.38376                       259940.63
4022145.03       15.14329
         259940.63    4022165.03       15.61524                       259960.63
4022105.03       18.17804
         259960.63    4022125.03       17.22969                       259960.63
4022145.03       17.06140
         259960.63    4022165.03       17.56433                       259980.63
4022105.03       20.98453
         259980.63    4022125.03       20.06127                       259980.63
4022145.03       19.89350
         259980.63    4022165.03       20.34040                       260000.63
4022105.03       26.61079
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE  ***
                                    INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                   L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                   L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                   L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         260000.63    4022125.03       25.60820                       260000.63
4022145.03       25.33977
```

```
         260000.63    4022165.03       25.61690                    259550.34
4021844.01        5.64442
         259550.34    4021864.01        6.11719                    259550.34
4021884.01        6.68037
         259550.34    4021904.01        7.36819                    259550.34
4021924.01        8.23219
         259550.34    4021944.01        9.36810                    259550.34
4021964.01       10.91164
         259550.34    4021984.01       13.13363                    259550.34
4022004.01       16.75257
         259550.34    4022024.01       23.44852                    259570.34
4021844.01        5.72046
         259570.34    4021864.01        6.19531                    259570.34
4021884.01        6.76113
         259570.34    4021904.01        7.45564                    259570.34
4021924.01        8.33251
         259570.34    4021944.01        9.48650                    259570.34
4021964.01       11.05222
         259570.34    4021984.01       13.30859                    259570.34
4022004.01       17.00603
         259570.34    4022024.01       23.87652                    259590.34
4021844.01        5.80805
         259590.34    4021864.01        6.28696                    259590.34
4021884.01        6.85933
         259590.34    4021904.01        7.56109                    259590.34
4021924.01        8.44757
         259590.34    4021944.01        9.61022                    259590.34
4021964.01       11.19381
         259590.34    4021984.01       13.49856                    259590.34
4022004.01       17.26570
         259590.34    4022024.01       24.28374                    259610.34
4021844.01        5.90119
         259610.34    4021864.01        6.38561                    259610.34
4021884.01        6.96480
         259610.34    4021904.01        7.67348                    259610.34
4021924.01        8.56698
         259610.34    4021944.01        9.73720                    259610.34
4021964.01       11.34023
         259610.34    4021984.01       13.69337                    259610.34
4022004.01       17.52284
         259610.34    4022024.01       24.69699                    259630.34
4021844.01        5.99805
         259630.34    4021864.01        6.48767                    259630.34
4021884.01        7.07285
         259630.34    4021904.01        7.78830                    259630.34
4021924.01        8.68961
         259630.34    4021944.01        9.87039                    259630.34
4021964.01       11.49358
         259630.34    4021984.01       13.88600                    259630.34
4022004.01       17.78081
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         259630.34    4022024.01       25.12631                       259650.34
4021844.01        6.09927
         259650.34    4021864.01        6.59371                       259650.34
4021884.01        7.18405
         259650.34    4021904.01        7.90698                       259650.34
4021924.01        8.81865
         259650.34    4021944.01       10.01181                       259650.34
4021964.01       11.65463
         259650.34    4021984.01       14.08238                       259650.34
4022004.01       18.04630
         259650.34    4022024.01       25.56206                       259670.34
4021844.01        6.20975
         259670.34    4021864.01        6.70912                       259670.34
4021884.01        7.30492
         259670.34    4021904.01        8.03477                       259670.34
4021924.01        8.95541
         259670.34    4021944.01       10.16152                       259670.34
4021964.01       11.82472
         259670.34    4021984.01       14.28759                       259670.34
4022004.01       18.32131
         259670.34    4022024.01       26.02717                       259690.34
4021844.01        6.33001
         259690.34    4021864.01        6.83426                       259690.34
4021884.01        7.43601
         259690.34    4021904.01        8.17262                       259690.34
4021924.01        9.10225
         259690.34    4021944.01       10.32152                       259690.34
4021964.01       12.00560
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE  ***
                                    INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                  L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                  L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	14.50516	259690.34	4022004.01	18.61415
259690.34	4022024.01	26.51126	259710.34	4021844.01	6.46036
259710.34	4021864.01	6.96972	259710.34	4021884.01	7.57749
259710.34	4021904.01	8.32153	259710.34	4021924.01	9.26095
259710.34	4021944.01	10.49410	259710.34	4021964.01	12.20019
259710.34	4021984.01	14.73810	259710.34	4022004.01	18.92732
259710.34	4022024.01	27.02917	259730.34	4021844.01	6.60393
259730.34	4021864.01	7.11858	259730.34	4021884.01	7.73259
259730.34	4021904.01	8.48442	259730.34	4021924.01	9.43406
259730.34	4021944.01	10.68184	259730.34	4021964.01	12.41059
259730.34	4021984.01	14.98827	259730.34	4022004.01	19.26117
259730.34	4022024.01	27.57525	259750.34	4021844.01	6.76368
259750.34	4021864.01	7.28401	259750.34	4021884.01	7.90469
259750.34	4021904.01	8.66463	259750.34	4021924.01	9.62480
259750.34	4021944.01	10.88767	259750.34	4021964.01	12.63980
259750.34	4021984.01	15.25827	259750.34	4022004.01	19.61651
259750.34	4022024.01	28.14292	259770.34	4021844.01	6.94386
259770.34	4021864.01	7.47016	259770.34	4021884.01	8.09770
259770.34	4021904.01	8.86593	259770.34	4021924.01	9.83703
259770.34	4021944.01	11.11568	259770.34	4021964.01	12.89265
259770.34	4021984.01	15.55458	259770.34	4022004.01	20.00077
259770.34	4022024.01	28.75519	259790.34		

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4021844.01        7.14900
         259790.34    4021864.01        7.68142                          259790.34
4021884.01        8.31598
         259790.34    4021904.01        9.09303                          259790.34
4021924.01       10.07578
         259790.34    4021944.01       11.37100                          259790.34
4021964.01       13.17398
         259790.34    4021984.01       15.88136                          259790.34
4022004.01       20.41710
         259790.34    4022024.01       29.40007                          259810.34
4021844.01        7.38599
         259810.34    4021864.01        7.92485                          259810.34
4021884.01        8.56679
         259810.34    4021904.01        9.35321                          259810.34
4021924.01       10.34826
         259810.34    4021944.01       11.66051                          259810.34
4021964.01       13.48919
         259810.34    4021984.01       16.24167                          259810.34
4022004.01       20.86858
         259810.34    4022024.01       30.09787                          259830.34
4021844.01        7.66541
         259830.34    4021864.01        8.21085                          259830.34
4021884.01        8.86043
         259830.34    4021904.01        9.65638                          259830.34
4021924.01       10.66396
         259830.34    4021944.01       11.99384                          259830.34
4021964.01       13.84793
         259830.34    4021984.01       16.64353                          259830.34
4022004.01       21.36587
         259830.34    4022024.01       30.83698                          259850.34
4021844.01        8.00269
         259850.34    4021864.01        8.55517                          259850.34
4021884.01        9.21196
         259850.34    4021904.01       10.01690                          259850.34
4021924.01       11.03537
         259850.34    4021944.01       12.38062                          259850.34
4021964.01       14.25606
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                    PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE  ***
                                    INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                 L0000453    , L0000454    , L0000455    , L0000456    , L0000457
```

, L0000458   , L0000459   , L0000460   ,
                L0000461   , L0000462   , L0000463   , L0000464   , L0000465
, L0000466   , L0000467   , L0000468   ,
                L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259850.34   4021984.01   17.09138   259850.34
4022004.01   21.90993
         259850.34   4022024.01   31.66172   259870.34
4021844.01   8.41793
         259870.34   4021864.01   8.97692   259870.34
4021884.01   9.64037
         259870.34   4021904.01   10.45471   259870.34
4021924.01   11.48693
         259870.34   4021944.01   12.85429   259870.34
4021964.01   14.76480
         259870.34   4021984.01   17.65742   259870.34
4022004.01   22.55452
         259870.34   4022024.01   32.55639   259890.34
4021844.01   8.94348
         259890.34   4021864.01   9.50981   259890.34
4021884.01   10.18174
         259890.34   4021904.01   11.00867   259890.34
4021924.01   12.05674
         259890.34   4021944.01   13.44197   259890.34
4021964.01   15.37959
         259890.34   4021984.01   18.32063   259890.34
4022004.01   23.32768
         259890.34   4022024.01   33.62344   259910.34
4021844.01   9.63415
         259910.34   4021864.01   10.20642   259910.34
4021884.01   10.88601
         259910.34   4021904.01   11.72303   259910.34
4021924.01   12.78301
         259910.34   4021944.01   14.18529   259910.34
4021964.01   16.14957
         259910.34   4021984.01   19.13891   259910.34
4022004.01   24.25154
         259910.34   4022024.01   34.85732   259930.34
4021844.01   10.58305

```
         259930.34    4021864.01       11.15952                       259930.34
4021884.01       11.84457
         259930.34    4021904.01       12.68725                       259930.34
4021924.01       13.75552
         259930.34    4021944.01       15.17242                       259950.34
4021844.01       11.97578
         259950.34    4021864.01       12.55189                       259950.34
4021884.01       13.23895
         259950.34    4021904.01       14.08353                       259950.34
4021924.01       15.15240
         259950.34    4021944.01       16.57219                       259970.34
4021844.01       14.26218
         259970.34    4021864.01       14.82266                       259970.34
4021884.01       15.49817
         259970.34    4021904.01       16.35003                       259970.34
4021924.01       17.41023
         259970.34    4021944.01       18.81645                       259990.34
4021844.01       18.76331
         259990.34    4021864.01       19.23616                       259990.34
4021884.01       19.84397
         259990.34    4021904.01       20.71692                       259990.34
4021924.01       21.72884
         259990.34    4021944.01       23.06386                       260122.80
4022046.18       26.52962
         260142.80    4022066.18       23.74599                       260142.80
4022086.18       19.75670
         260142.80    4022106.18       17.70733                       260142.80
4022126.18       16.45554
         260142.80    4022146.18       15.58827                       260142.80
4022166.18       14.92837
         260162.80    4022066.18       22.41208                       260162.80
4022086.18       18.46239
         260162.80    4022106.18       16.39151                       260162.80
4022126.18       15.10667
         260162.80    4022146.18       14.21690                       260162.80
4022166.18       13.55531
         260182.80    4022066.18       21.29244                       260182.80
4022086.18       17.39602
         260182.80    4022106.18       15.32522                       260182.80
4022126.18       14.03113
         260182.80    4022146.18       13.13615                       260182.80
4022166.18       12.47574
         260202.80    4022066.18       20.33451                       260202.80
4022086.18       16.49152
         260202.80    4022106.18       14.43514                       260202.80
4022126.18       13.14798
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITE ***

INCLUDING SOURCE(S): L0000448 , L0000449 , L0000450 , L0000451 , L0000452 , L0000453 , L0000454 , L0000455 , L0000456 , L0000457 , L0000458 , L0000459 , L0000460 , L0000461 , L0000462 , L0000463 , L0000464 , L0000465 , L0000466 , L0000467 , L0000468 , L0000469 , L0000470 , L0000471 , L0000472 , L0000473 , L0000474 , L0000475 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260202.80	4022146.18	12.25776	260202.80	4022166.18	11.60048
260095.45	4022187.01	19.98915	260095.45	4022207.01	19.52295
260095.45	4022227.01	19.09049	260095.45	4022247.01	18.77278
260095.45	4022267.01	18.53540	260115.45	4022187.01	17.01692
260115.45	4022207.01	16.56402	260115.45	4022227.01	16.20100
260115.45	4022247.01	15.92820	260115.45	4022267.01	15.71369
260135.45	4022187.01	14.98250	260135.45	4022207.01	14.56485
260135.45	4022227.01	14.23580	260135.45	4022247.01	13.97072
260135.45	4022267.01	13.74319	260155.45	4022187.01	13.48361
260155.45	4022207.01	13.08454	260155.45	4022227.01	12.76418
260155.45	4022247.01	12.49489	260155.45	4022267.01	12.24890
260175.45	4022187.01	12.31779	260175.45	4022207.01	11.92269
260175.45	4022227.01	11.59712	260175.45		

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4022247.01       11.31403
         260175.45    4022267.01       11.05479                       260195.45
4022187.01       11.37654
         260195.45    4022207.01       10.97753                       260195.45
4022227.01       10.64215
         260195.45    4022247.01       10.34547                       260195.45
4022267.01       10.07450
         260063.43    4022072.23       34.22060                       260063.43
4022092.23       31.12174
         260063.43    4022112.23       29.71579                       260083.43
4022072.23       29.01669
         260083.43    4022092.23       25.87510                       260083.43
4022112.23       24.34541
         260103.43    4022072.23       25.90680                       260103.43
4022092.23       22.74072
         260103.43    4022112.23       21.13782                       260243.42
4022062.81       19.65487
         260243.42    4022082.81       15.49176                       260243.42
4022102.81       13.29448
         260243.42    4022122.81       11.93165                       260243.42
4022142.81       10.99462
         260243.42    4022162.81       10.30380                       260243.42
4022182.81        9.76591
         260243.42    4022202.81        9.33111                       260243.42
4022222.81        8.96536
         260243.42    4022242.81        8.64983                       260243.42
4022262.81        8.37308
         260243.42    4022282.81        8.12911                       260243.42
4022302.81        7.91843
         260243.42    4022322.81        7.73443                       260243.42
4022342.81        7.58479
         260243.42    4022362.81        7.47622                       260243.42
4022382.81        7.42291
         260243.42    4022402.81        7.42925                       260243.42
4022422.81        7.49742
         260263.42    4022362.81        7.00804                       260263.42
4022382.81        6.96520
         260263.42    4022402.81        6.97329                       260263.42
4022422.81        7.03751
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:33:02

                                  PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0000094    , L0000095
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```
, L0000096    , L0000097    , L0000098    ,
                L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                L0000115    , L0000116    , L0000117    , L0000118    , L0000119
,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259429.52    259488.16    259546.80    259605.44    259664.08
259722.72    259781.36    259840.00    259898.64
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       2.96190      3.32139      3.73672      4.25845      4.95104
 5.74317      6.33613      6.53252      6.47479
  4022649.62 |       3.25345      3.71154      4.23887      4.87459      5.71633
 6.79795      7.77232      8.17109      8.09132
  4022606.10 |       3.54523      4.13091      4.82330      5.64919      6.70560
 8.15017      9.73639     10.56926     10.45834
  4022562.58 |       3.81994      4.55035      5.46142      6.58749      8.00665
 9.94749     12.45956     14.22321     14.14711
  4022519.06 |       4.06814      4.93981      6.09548      7.62748      9.66151
12.45785     16.50497     20.44677     20.60956
  4022475.54 |       4.28520      5.28811      6.68852      8.69436     11.61896
15.98878     22.83499     31.80522     32.87001
  4022432.02 |       4.46273      5.57290      7.18262      9.63144     13.56264
20.29895     32.93702     56.75233     66.63817
  4022388.50 |       4.57097      5.75810      7.51997     10.30813     15.11246
24.44673     46.39836    121.51730    229.83934
  4022344.98 |       4.59164      5.80793      7.63363     10.57671     15.82480
26.76914     56.47966    204.93993    563.84677
  4022301.46 |       4.52967      5.72455      7.51721     10.40520     15.54962
26.21532     54.89673    198.89496    501.75866
  4022257.94 |       4.41185      5.54953      7.23336      9.87925     14.37048
22.84899     42.09643    111.72105    269.88648
  4022214.42 |       4.26247      5.31454      6.82145      9.05847     12.52359
18.14097     27.74405     45.02454    101.20518
  4022170.90 |       4.08050      5.00978      6.26884      7.99315     10.37017
13.65140     18.20052     24.96351     42.57956
  4022127.38 |       3.84688      4.61695      5.59198      6.81846      8.35327
10.28416     12.73443     16.24061     24.08450
  4022083.86 |       3.55632      4.15913      4.87589      5.72622      6.72484
 7.95738      9.44246     11.56072     15.86661
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	259957.28	260015.92	260074.56	260133.20	260191.84	260250.48	260309.12	260367.76	260426.40
4022693.14	6.12626	5.46522	4.79158	4.29051	3.81098	3.34992	2.92633	2.56172	2.25841
4022649.62	7.53391	6.53269	5.68539	5.00517	4.32818	3.71512	3.19220	2.76870	2.43117
4022606.10	9.50902	8.11763	6.87901	5.85194	4.90608	4.12038	3.49933	3.01658	2.63580
4022562.58	12.50697	10.27276	8.35088	6.83833	5.57233	6.33805	7.31659	8.72311	11.39604
4021996.82	2.90294	3.24955	3.63988	4.08358	4.59314	5.17977	5.85959	6.85649	8.65318
4021953.30	2.59924	2.86702	3.16626	3.50361	3.88654	4.31844	4.81546	5.55746	6.83312
4021909.78	2.32826	2.53987	2.77438	3.03831	3.33486	3.66212	4.03997	4.61233	5.55616
4021866.26	2.09195	2.26246	2.45191	2.66318	2.89618	3.15029	3.44702	3.90086	4.62136
4021822.74	1.88723	2.02767	2.18399	2.35561	2.54165	2.74311	2.98261	3.35073	3.91551
4022040.34	3.23050	3.68727	4.21110	4.81434	5.51307	6.33805	7.31659	8.72311	11.39604
4021996.82	2.90294	3.24955	3.63988	4.08358	4.59314	5.17977	5.85959	6.85649	8.65318
4021953.30	2.59924	2.86702	3.16626	3.50361	3.88654	4.31844	4.81546	5.55746	6.83312
4021909.78	2.32826	2.53987	2.77438	3.03831	3.33486	3.66212	4.03997	4.61233	5.55616
4021866.26	2.09195	2.26246	2.45191	2.66318	2.89618	3.15029	3.44702	3.90086	4.62136
4021822.74	1.88723	2.02767	2.18399	2.35561	2.54165	2.74311	2.98261	3.35073	3.91551

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 4.59404      3.86107      3.30088      2.85975
  4022519.06 |      17.23160     13.39303      9.52981      8.03694      6.35478
 5.15266      4.27408      3.60660      3.08457
  4022475.54 |      25.05986     17.53877     12.60271      9.49761      7.28355
 5.77606      4.69718      3.89511      3.28180
  4022432.02 |      41.45331     24.42301     15.83580     11.18404      8.26429
 6.36783      5.06441      4.12910      3.43565
  4022388.50 |      75.27892     33.87586     19.42964     12.85017      9.13643
 6.85988      5.35948      4.31679      3.56079
  4022344.98 |     136.62958     44.60700     23.03253     14.38233      9.91504
 7.30428      5.63711      4.50463      3.69541
  4022301.46 |     214.01152     58.75900     27.00572     15.99434     10.74848
 7.80021      5.96080      4.72712      3.85885
  4022257.94 |     200.16257     74.29568     32.55425     18.12420     11.76991
 8.37948      6.32872      4.98161      4.04239
  4022214.42 |     123.69881     77.68398     38.67897     21.01856     13.10702
 9.08294      6.74189      5.24939      4.23050
  4022170.90 |      68.19285     64.89349     41.49994     24.09973     14.83797
10.00263      7.25501      5.55788      4.43091
  4022127.38 |      38.64623     46.81179     38.80694     25.93652     16.63037
11.13691      7.92023      5.95491      4.67702
  4022083.86 |      23.64137     31.92789     32.37501     25.51738     17.85096
12.28200      8.70656      6.45588      4.99523
  4022040.34 |      15.79741     21.77643     25.20368     23.09694     18.01971
13.12072      9.48379      7.02305      5.38150
  4021996.82 |      11.35358     15.29933     19.00293     19.61433     17.08025
13.40321     10.08460      7.57622      5.80411
  4021953.30 |       8.61419     11.19328     14.25838     16.00231     15.35575
13.06051     10.37102      8.02208      6.21396
  4021909.78 |       6.80123      8.52311     10.83204     12.79715     13.27782
12.19213     10.27860      8.27570      6.55356
  4021866.26 |       5.53287      6.72534      8.40128     10.17794     11.19085
10.99177      9.84369      8.29826      6.77338
  4021822.74 |       4.60611      5.46048      6.67222      8.13515      9.29834
 9.65473      9.14734      8.08697      6.84040
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                  L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                  L0000107    , L0000108    , L0000109    , L0000110    , L0000111
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, L0000112   , L0000113   , L0000114   ,
                L0000115   , L0000116   , L0000117   , L0000118   , L0000119
,

                                  *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 260485.04   260543.68   260602.32
 -
- -

  4022693.14 | 2.01194   1.80715   1.63710
  4022649.62 | 2.15869   1.93412   1.74509
  4022606.10 | 2.32737   2.07185   1.85606
  4022562.58 | 2.50272   2.20672   1.95989
  4022519.06 | 2.66731   2.32747   2.04830
  4022475.54 | 2.80382   2.42349   2.11690
  4022432.02 | 2.90796   2.49599   2.16934
  4022388.50 | 2.99642   2.56107   2.21915
  4022344.98 | 3.09503   2.63772   2.27913
  4022301.46 | 3.21912   2.73333   2.35585
  4022257.94 | 3.35826   2.84184   2.44168
  4022214.42 | 3.49720   2.95019   2.52766
  4022170.90 | 3.63753   3.05423   2.60927
  4022127.38 | 3.79902   3.16519   2.69133
  4022083.86 | 4.00429   3.30244   2.78586
  4022040.34 | 4.26369   3.47756   2.90562
  4021996.82 | 4.56611   3.69150   3.05579
  4021953.30 | 4.89061   3.93414   3.23349
  4021909.78 | 5.20381   4.18588   3.42870
  4021866.26 | 5.46938   4.43180   3.63299
  4021822.74 | 5.65432   4.64133   3.82732

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000094   , L0000095
, L0000096   , L0000097   , L0000098   ,
                L0000099   , L0000100   , L0000101   , L0000102   , L0000103
, L0000104   , L0000105   , L0000106   ,

L0000107 , L0000108 , L0000109 , L0000110 , L0000111
, L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	5.90057	259632.90	4022093.46	6.44386
259632.90	4022113.46	7.04477	259632.90	4022133.46	7.69724
259632.90	4022153.46	8.39036	259632.90	4022173.46	9.10098
259632.90	4022193.46	9.80033	259632.90	4022213.46	10.45753
259632.90	4022233.46	11.05070	259652.90	4022073.46	6.21079
259652.90	4022093.46	6.82445	259652.90	4022113.46	7.51238
259652.90	4022133.46	8.27081	259652.90	4022153.46	9.09749
259652.90	4022173.46	9.96859	259652.90	4022193.46	10.84754
259652.90	4022213.46	11.69523	259652.90	4022233.46	12.47619
259672.90	4022073.46	6.54952	259672.90	4022093.46	7.23519
259672.90	4022113.46	8.01595	259672.90	4022133.46	8.89527
259672.90	4022153.46	9.87571	259672.90	4022173.46	10.93901
259672.90	4022193.46	12.04697	259672.90	4022213.46	13.14722
259672.90	4022233.46	14.18638	259692.90	4022073.46	6.92229
259692.90	4022093.46	7.67943	259692.90	4022113.46	8.55758
259692.90	4022133.46	9.57111	259692.90	4022153.46	10.72918
259692.90	4022173.46	12.02558	259692.90	4022193.46	13.42431
259692.90	4022213.46	14.86078	259692.90		

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4022233.46       16.25827
         259712.90    4022073.46        7.31733                      259712.90
4022093.46        8.15485
         259712.90    4022113.46        9.14080                      259712.90
4022133.46       10.30289
         259712.90    4022153.46       11.66602                      259712.90
4022173.46       13.24224
         259712.90    4022193.46       15.00883                      259712.90
4022213.46       16.89568
         259712.90    4022233.46       18.79678                      259732.90
4022073.46        7.73185
         259732.90    4022093.46        8.66195                      259732.90
4022113.46        9.76947
         259732.90    4022133.46       11.09496                      259732.90
4022153.46       12.68965
         259732.90    4022173.46       14.59739                      259732.90
4022193.46       16.83219
         259732.90    4022213.46       19.32783                      259732.90
4022233.46       21.94952
         259752.90    4022073.46        8.17357                      259752.90
4022093.46        9.20442
         259772.90    4022073.46        8.64351                      259772.90
4022093.46        9.78537
         259792.90    4022073.46        9.15374                      259792.90
4022093.46       10.41565
         259812.90    4022073.46        9.73639                      259812.90
4022093.46       11.13140
         259832.90    4022073.46       10.45637                      259832.90
4022093.46       12.01379
         259920.63    4022125.03       28.23859                      259920.63
4022145.03       36.48427
         259920.63    4022165.03       48.99104                      259940.63
4022105.03       26.32665
         259940.63    4022125.03       33.31145                      259940.63
4022145.03       43.26749
         259940.63    4022165.03       57.57990                      259960.63
4022105.03       30.36376
         259960.63    4022125.03       38.36048                      259960.63
4022145.03       49.22408
         259960.63    4022165.03       63.84240                      259980.63
4022105.03       34.17512
         259980.63    4022125.03       42.58581                      259980.63
4022145.03       53.35375
         259980.63    4022165.03       66.82611                      260000.63
4022105.03       37.16557
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260000.63	4022125.03	45.24225	260000.63	4022145.03	54.85543
260000.63	4022165.03	65.78788	259550.34	4021844.01	2.31970
259550.34	4021864.01	2.44879	259550.34	4021884.01	2.58932
259550.34	4021904.01	2.74271	259550.34	4021924.01	2.91034
259550.34	4021944.01	3.09439	259550.34	4021964.01	3.29508
259550.34	4021984.01	3.51355	259550.34	4022004.01	3.75374
259550.34	4022024.01	4.01533	259570.34	4021844.01	2.38195
259570.34	4021864.01	2.51706	259570.34	4021884.01	2.66449
259570.34	4021904.01	2.82622	259570.34	4021924.01	3.00386
259570.34	4021944.01	3.19959	259570.34	4021964.01	3.41362
259570.34	4021984.01	3.64766	259570.34	4022004.01	3.90685
259570.34	4022024.01	4.19112	259590.34	4021844.01	2.44754
259590.34	4021864.01	2.58922	259590.34	4021884.01	2.74430

259590.34 4021904.01 2.91466 259590.34
4021924.01 3.10229
259590.34 4021944.01 3.30958 259590.34
4021964.01 3.53742
259590.34 4021984.01 3.78812 259590.34
4022004.01 4.06708
259590.34 4022024.01 4.37530 259610.34
4021844.01 2.51537
259610.34 4021864.01 2.66425 259610.34
4021884.01 2.82749
259610.34 4021904.01 3.00695 259610.34
4021924.01 3.20490
259610.34 4021944.01 3.42414 259610.34
4021964.01 3.66653
259610.34 4021984.01 3.93518 259610.34
4022004.01 4.23498
259610.34 4022024.01 4.56861 259630.34
4021844.01 2.58492
259630.34 4021864.01 2.74140 259630.34
4021884.01 2.91326
259630.34 4021904.01 3.10249 259630.34
4021924.01 3.31157
259630.34 4021944.01 3.54360 259630.34
4021964.01 3.80156
259630.34 4021984.01 4.08911 259630.34
4022004.01 4.41106
259630.34 4022024.01 4.77161 259650.34
4021844.01 2.65594
259650.34 4021864.01 2.82041 259650.34
4021884.01 3.00132
259650.34 4021904.01 3.20111 259650.34
4021924.01 3.42250
259650.34 4021944.01 3.66872 259650.34
4021964.01 3.94317
259650.34 4021984.01 4.25059 259650.34
4022004.01 4.59621
259650.34 4022024.01 4.98515 259670.34
4021844.01 2.72913
259670.34 4021864.01 2.90193 259670.34
4021884.01 3.09239
259670.34 4021904.01 3.30325 259670.34
4021924.01 3.53752
259670.34 4021944.01 3.79877 259670.34
4021964.01 4.09098
259670.34 4021984.01 4.41957 259670.34
4022004.01 4.79070
259670.34 4022024.01 5.21083 259690.34
4021844.01 2.80451
259690.34 4021864.01 2.98596 259690.34
4021884.01 3.18643

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021904.01	3.40889	259690.34	4021924.01	3.65673
259690.34	4021944.01	3.93395	259690.34	4021964.01	4.24521
259690.34	4021984.01	4.59656	259690.34	4022004.01	4.99515
259690.34	4022024.01	5.44917	259710.34	4021844.01	2.88173
259710.34	4021864.01	3.07210	259710.34	4021884.01	3.28307
259710.34	4021904.01	3.51777	259710.34	4021924.01	3.78001
259710.34	4021944.01	4.07419	259710.34	4021964.01	4.40581
259710.34	4021984.01	4.78159	259710.34	4022004.01	5.20977
259710.34	4022024.01	5.70020	259730.34	4021844.01	2.96195
259730.34	4021864.01	3.16144	259730.34	4021884.01	3.38312
259730.34	4021904.01	3.63048	259730.34		

```
4021924.01        3.90769
         259730.34    4021944.01        4.21975                   259730.34
4021964.01        4.57288
         259730.34    4021984.01        4.97470                   259730.34
4022004.01        5.43467
         259730.34    4022024.01        5.96384                   259750.34
4021844.01        3.04690
         259750.34    4021864.01        3.25568                   259750.34
4021884.01        3.48831
         259750.34    4021904.01        3.74862                   259750.34
4021924.01        4.04126
         259750.34    4021944.01        4.37187                   259750.34
4021964.01        4.74746
         259750.34    4021984.01        5.17668                   259750.34
4022004.01        5.67044
         259750.34    4022024.01        6.24224                   259770.34
4021844.01        3.13976
         259770.34    4021864.01        3.35823                   259770.34
4021884.01        3.60220
         259770.34    4021904.01        3.87590                   259770.34
4021924.01        4.18449
         259770.34    4021944.01        4.53432                   259770.34
4021964.01        4.93320
         259770.34    4021984.01        5.39099                   259770.34
4022004.01        5.92017
         259770.34    4022024.01        6.53651                   259790.34
4021844.01        3.24558
         259790.34    4021864.01        3.47466                   259790.34
4021884.01        3.73097
         259790.34    4021904.01        4.01913                   259790.34
4021924.01        4.34483
         259790.34    4021944.01        4.71510                   259790.34
4021964.01        5.13869
         259790.34    4021984.01        5.62670                   259790.34
4022004.01        6.19325
         259790.34    4022024.01        6.85647                   259810.34
4021844.01        3.37043
         259810.34    4021864.01        3.61202                   259810.34
4021884.01        3.88275
         259810.34    4021904.01        4.18781                   259810.34
4021924.01        4.53338
         259810.34    4021944.01        4.92714                   259810.34
4021964.01        5.37879
         259810.34    4021984.01        5.90081                   259810.34
4022004.01        6.50906
         259810.34    4022024.01        7.22452                   259830.34
4021844.01        3.52022
         259830.34    4021864.01        3.77741                   259830.34
4021884.01        4.06620
         259830.34    4021904.01        4.39235                   259830.34
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4021924.01 4.76272
259830.34 4021944.01 5.18586 259830.34
4021964.01 5.67240
259830.34 4021984.01 6.23662 259830.34
4022004.01 6.89695
259830.34 4022024.01 7.67678 259850.34
4021844.01 3.69874
259850.34 4021864.01 3.97574 259850.34
4021884.01 4.28742
259850.34 4021904.01 4.64045 259850.34
4021924.01 5.04247
259850.34 4021944.01 5.50341 259850.34
4021964.01 6.03542

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259850.34	4021984.01	6.65525	259850.34	4022004.01	7.38447
259850.34	4022024.01	8.25016	259870.34	4021844.01	3.90537
259870.34	4021864.01	4.20661	259870.34	4021884.01	4.54665
259870.34	4021904.01	4.93338	259870.34	4021924.01	5.37578

259870.34 4021944.01 5.88558 259870.34
4021964.01 6.47681
259870.34 4021984.01 7.16881 259870.34
4022004.01 7.98665
259870.34 4022024.01 8.96558 259890.34
4021844.01 4.13597
259890.34 4021864.01 4.46588 259890.34
4021884.01 4.83982
259890.34 4021904.01 5.26718 259890.34
4021924.01 5.75823
259890.34 4021944.01 6.32615 259890.34
4021964.01 6.98901
259890.34 4021984.01 7.77030 259890.34
4022004.01 8.70098
259890.34 4022024.01 9.82430 259910.34
4021844.01 4.38493
259910.34 4021864.01 4.74712 259910.34
4021884.01 5.15954
259910.34 4021904.01 5.63295 259910.34
4021924.01 6.17935
259910.34 4021944.01 6.81550 259910.34
4021964.01 7.56331
259910.34 4021984.01 8.45182 259910.34
4022004.01 9.52040
259910.34 4022024.01 10.82372 259930.34
4021844.01 4.64784
259930.34 4021864.01 5.04573 259930.34
4021884.01 5.50106
259930.34 4021904.01 6.02604 259930.34
4021924.01 6.63604
259930.34 4021944.01 7.35147 259950.34
4021844.01 4.92480
259950.34 4021864.01 5.36249 259950.34
4021884.01 5.86621
259950.34 4021904.01 6.45060 259950.34
4021924.01 7.13476
259950.34 4021944.01 7.94390 259970.34
4021844.01 5.22139
259970.34 4021864.01 5.70494 259970.34
4021884.01 6.26511
259970.34 4021904.01 6.91960 259970.34
4021924.01 7.69218
259970.34 4021944.01 8.61398 259990.34
4021844.01 5.54771
259990.34 4021864.01 6.08564 259990.34
4021884.01 6.71307
259990.34 4021904.01 7.45084 259990.34
4021924.01 8.32881
259990.34 4021944.01 9.38429 260122.80
4022046.18 24.29936

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         260142.80    4022066.18       23.64535                      260142.80
4022086.18       24.23480
         260142.80    4022106.18       24.40425                      260142.80
4022126.18       24.12778
         260142.80    4022146.18       23.43417                      260142.80
4022166.18       22.40499
         260162.80    4022066.18       21.32350                      260162.80
4022086.18       21.46498
         260162.80    4022106.18       21.25721                      260162.80
4022126.18       20.71645
         260162.80    4022146.18       19.90132                      260162.80
4022166.18       18.90128
         260182.80    4022066.18       19.04595                      260182.80
4022086.18       18.89214
         260182.80    4022106.18       18.47497                      260182.80
4022126.18       17.83066
         260182.80    4022146.18       17.01633                      260182.80
4022166.18       16.11324
         260202.80    4022066.18       16.91837                      260202.80
4022086.18       16.57777
         260202.80    4022106.18       16.05753                      260202.80
4022126.18       15.39635
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                  L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                  L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                  L0000115    , L0000116    , L0000117    , L0000118    , L0000119
,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -
260202.80 4022146.18 14.64689 260202.80
4022166.18 13.87168
260095.45 4022187.01 33.20307 260095.45
4022207.01 31.40898
260095.45 4022227.01 29.24055 260095.45
4022247.01 26.99299
260095.45 4022267.01 24.90264 260115.45
4022187.01 27.23790
260115.45 4022207.01 25.56609 260115.45
4022227.01 23.78317
260115.45 4022247.01 22.07080 260115.45
4022267.01 20.54404
260135.45 4022187.01 22.55582 260135.45
4022207.01 21.12442
260135.45 4022227.01 19.71455 260135.45
4022247.01 18.42337
260135.45 4022267.01 17.29425 260155.45
4022187.01 18.89750
260155.45 4022207.01 17.72410 260155.45
4022227.01 16.62568
260155.45 4022247.01 15.64867 260155.45
4022267.01 14.80236
260175.45 4022187.01 16.04596 260175.45
4022207.01 15.10114
260175.45 4022227.01 14.24585 260175.45
4022247.01 13.49699
260175.45 4022267.01 12.84511 260195.45
4022187.01 13.79548
260195.45 4022207.01 13.04065 260195.45
4022227.01 12.37120
260195.45 4022247.01 11.78842 260195.45
4022267.01 11.27561
260063.43 4022072.23 30.78668 260063.43
4022092.23 34.67824
260063.43 4022112.23 38.50332 260083.43
4022072.23 29.95244
260083.43 4022092.23 32.81060 260083.43
4022112.23 35.32885
260103.43 4022072.23 28.33229 260103.43
4022092.23 30.21382
260103.43 4022112.23 31.63200 260243.42
4022062.81 13.29487
260243.42 4022082.81 12.86036 260243.42
4022102.81 12.34478
260243.42 4022122.81 11.78234 260243.42
4022142.81 11.20939
260243.42 4022162.81 10.65717 260243.42
4022182.81 10.14766
260243.42 4022202.81 9.69261 260243.42

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                    INCLUDING SOURCE(S):   L0000120   , L0000121
, L0000122   , L0000123   ,

                                     *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 259429.52   259488.16   259546.80   259605.44   259664.08
259722.72   259781.36   259840.00   259898.64
 -
- -

  4022693.14 | 2.92502   3.27562   3.67265   4.16373   4.83758
 5.64910   6.28290   6.50500   6.47740
  4022649.62 | 3.20826   3.65680   4.16558   4.76320   5.55824
 6.64111   7.66717   8.10778   8.07840
  4022606.10 | 3.48760   4.06289   4.73583   5.51959   6.49706
 7.89096   9.52889   10.42686   10.40584
  4022562.58 | 3.74377   4.46120   5.35160   6.43311   7.74620
 9.53463   12.04500   13.89769   13.98834
  4022519.06 | 3.97028   4.81890   5.94690   7.43262   9.34663
11.84665   15.64346   19.62868   20.12031

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  4022475.54 |       4.17159      5.13455      6.48226      8.41877     11.21604
15.17296     21.05872     29.50425     31.25229
  4022432.02 |       4.34168      5.40117      6.92991      9.25007     12.97570
19.24687     29.81690     48.69471     58.48532
  4022388.50 |       4.44144      5.57431      7.24410      9.86342     14.33364
22.93604     42.23307     91.13712    148.24945
  4022344.98 |       4.44949      5.60439      7.32541     10.07271     14.90614
24.80278     51.11448    174.29056    879.11547
  4022301.46 |       4.37643      5.50089      7.17081      9.82437     14.46380
23.82928     47.82715    141.05699    756.30970
  4022257.94 |       4.25378      5.32079      6.88696      9.32494     13.41016
20.86077     35.39124     63.51734    139.45291
  4022214.42 |       4.11323      5.10829      6.52773      8.61632     11.76145
16.46717     23.35884     33.45477     56.40106
  4022170.90 |       3.95156      4.83813      6.02783      7.61837      9.70901
12.41666     15.95746     20.70117     30.87901
  4022127.38 |       3.73690      4.46899      5.37811      6.48838      7.83482
 9.48602     11.53247     14.19277     19.69265
  4022083.86 |       3.45804      4.02499      4.68655      5.45818      6.35217
 7.44128      8.73748     10.41241     13.76194
  4022040.34 |       3.14064      3.56817      4.05370      4.60829      5.24487
 5.99247      6.86824      8.01094     10.22058
  4021996.82 |       2.82291      3.14882      3.51394      3.92607      4.39717
 4.93900      5.55504      6.38258      7.92734
  4021953.30 |       2.53052      2.78402      3.06576      3.38184      3.74072
 4.14476      4.59771      5.22496      6.35170
  4021909.78 |       2.27044      2.47166      2.69357      2.94321      3.22413
 3.53278      3.87781      4.36938      5.21958
  4021866.26 |       2.04336      2.20599      2.38631      2.58793      2.81027
 3.05109      3.32231      3.71751      4.37612
  4021822.74 |       1.84615      1.98054      2.13035      2.29531      2.47363
 2.66519      2.88415      3.20865      3.73086
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE      ***
                                   INCLUDING SOURCE(S):     L0000120    , L0000121
, L0000122    , L0000123    ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       6.19412      5.55922      4.87009      4.36745      3.89285
 3.43097      2.99662      2.61702      2.30142
  4022649.62 |       7.62386      6.64627      5.78462      5.11411      4.44164
 3.81507      3.26917      2.82689      2.47790
  4022606.10 |       9.62686      8.25529      7.02062      6.01466      5.05493
 4.23278      3.58152      3.08158      2.69107
  4022562.58 |      12.64853     10.44833      8.58048      7.07232      5.74684
 4.71661      3.95667      3.38183      2.92994
  4022519.06 |      17.35308     13.68167      9.90206      8.32992      6.55192
 5.30517      4.40204      3.71422      3.17376
  4022475.54 |      25.05556     18.15768     13.13979      9.85515      7.55879
 5.99847      4.87238      4.03027      3.38534
  4022432.02 |      41.28213     25.61096     16.62619     11.77817      8.69128
 6.66383      5.26936      4.27351      3.54001
  4022388.50 |      76.92871     36.58261     20.97604     13.70739      9.62506
 7.15708      5.55241      4.44926      3.65598
  4022344.98 |     149.74676     48.94798     24.67353     15.16779     10.35232
 7.57527      5.81793      4.63228      3.78933
  4022301.46 |     266.61422     62.41007     28.66797     16.86896     11.25477
 8.11770      6.17290      4.87583      3.96754
  4022257.94 |     245.71470     85.90004     34.72656     19.08189     12.32930
 8.73837      6.57182      5.15309      4.16754
  4022214.42 |     114.72535     91.59352     43.10985     22.37418     13.72576
 9.44950      6.98733      5.42474      4.36052
  4022170.90 |      55.15496     69.01624     46.70252     26.26453     15.72382
10.44606      7.51920      5.73544      4.55974
  4022127.38 |      30.90724     44.96778     41.88246     28.38691     17.85452
11.74184      8.25262      6.15906      4.81464
  4022083.86 |      19.70031     28.88975     33.00000     27.36585     19.19897
13.04650      9.13423      6.71091      5.15870
  4022040.34 |      13.73885     19.31361     24.47627     23.97237     19.15948
13.94584      9.99427      7.33539      5.58063
  4021996.82 |      10.19675     13.62141     17.88039     19.69179     17.80198
14.14421     10.62826      7.93518      6.03884
  4021953.30 |       7.91160     10.10406     13.20728     15.63118     15.64729
13.60502     10.87712      8.40078      6.47668
  4021909.78 |       6.34425      7.81509      9.99471     12.26042     13.24730
12.50265     10.68477      8.63626      6.82894
  4021866.26 |       5.21832      6.25438      7.77769      9.63884     10.97190
11.09422     10.11819      8.60474      7.03967
  4021822.74 |       4.37950      5.13686      6.21951      7.66494      8.99798
 9.60549      9.29029      8.31625      7.07566
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 260485.04	260543.68	260602.32
4022693.14	2.04704	1.83720	1.66365
4022649.62	2.19855	1.96927	1.77652
4022606.10	2.37586	2.11469	1.89382
4022562.58	2.56341	2.25862	2.00396
4022519.06	2.74033	2.38681	2.09654
4022475.54	2.88351	2.48544	2.16570
4022432.02	2.98548	2.55505	2.21544
4022388.50	3.06758	2.61584	2.26241
4022344.98	3.16640	2.69346	2.32358
4022301.46	3.30115	2.79683	2.40616
4022257.94	3.45227	2.91424	2.49866
4022214.42	3.59619	3.02720	2.58857
4022170.90	3.73551	3.13106	2.67071
4022127.38	3.89874	3.24144	2.75186
4022083.86	4.11611	3.38358	2.84777
4022040.34	4.39699	3.57093	2.97391
4021996.82	4.72390	3.80150	3.13490
4021953.30	5.07132	4.06108	3.32503
4021909.78	5.40243	4.32801	3.53206
4021866.26	5.67657	4.58597	3.74697
4021822.74	5.85674	4.80136	3.94958

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	5.60817	259632.90	4022093.46	6.10956
259632.90	4022113.46	6.66635	259632.90	4022133.46	7.27663
259632.90	4022153.46	7.93365	259632.90	4022173.46	8.61536
259632.90	4022193.46	9.28633	259632.90	4022213.46	9.90285
259632.90	4022233.46	10.43395	259652.90	4022073.46	5.88683
259652.90	4022093.46	6.44809	259652.90	4022113.46	7.07785
259652.90	4022133.46	7.77675	259652.90	4022153.46	8.54830
259652.90	4022173.46	9.37464	259652.90	4022193.46	10.21698
259652.90	4022213.46	11.02179	259652.90	4022233.46	11.73453
259672.90	4022073.46	6.18983	259672.90	4022093.46	6.81158
259672.90	4022113.46	7.51805	259672.90	4022133.46	8.31576
259672.90	4022153.46	9.21365	259672.90	4022173.46	10.20448
259672.90	4022193.46	11.25659	259672.90	4022213.46	12.30664
259672.90	4022233.46	13.27303	259692.90	4022073.46	6.52191
259692.90	4022093.46	7.20266	259692.90	4022113.46	7.98840
259692.90	4022133.46	8.89339	259692.90	4022153.46	9.93214
259692.90	4022173.46	11.11208	259692.90		

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4022193.46       12.41474
         259692.90    4022213.46       13.77854                       259692.90
4022233.46       15.09648
         259712.90    4022073.46        6.87270                       259712.90
4022093.46        7.61912
         259712.90    4022113.46        8.49148                       259712.90
4022133.46        9.51354
         259712.90    4022153.46       10.71063                       259712.90
4022173.46       12.10541
         259712.90    4022193.46       13.70240                       259712.90
4022213.46       15.45932
         259712.90    4022233.46       17.25755                       259732.90
4022073.46        7.23996
         259732.90    4022093.46        8.06149                       259732.90
4022113.46        9.03029
         259732.90    4022133.46       10.17867                       259732.90
4022153.46       11.54955
         259732.90    4022173.46       13.18775                       259732.90
4022193.46       15.13234
         259732.90    4022213.46       17.37267                       259732.90
4022233.46       19.81388
         259752.90    4022073.46        7.63029                       259752.90
4022093.46        8.53305
         259772.90    4022073.46        8.04279                       259772.90
4022093.46        9.03527
         259792.90    4022073.46        8.48123                       259792.90
4022093.46        9.57087
         259812.90    4022073.46        8.95840                       259812.90
4022093.46       10.15220
         259832.90    4022073.46        9.51389                       259832.90
4022093.46       10.82179
         259920.63    4022125.03       22.54471                       259920.63
4022145.03       27.79026
         259920.63    4022165.03       35.22905                       259940.63
4022105.03       21.43405
         259940.63    4022125.03       26.27061                       259940.63
4022145.03       33.04638
         259940.63    4022165.03       42.92445                       259960.63
4022105.03       24.81435
         259960.63    4022125.03       30.91960                       259960.63
4022145.03       39.55819
         259960.63    4022165.03       52.13481                       259980.63
4022105.03       28.82686
         259980.63    4022125.03       36.22229                       259980.63
4022145.03       46.44744
         259980.63    4022165.03       60.65183                       260000.63
4022105.03       32.98145
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260000.63	4022125.03	41.16627	260000.63	4022145.03	51.84023
260000.63	4022165.03	65.40162	259550.34	4021844.01	2.26010
259550.34	4021864.01	2.38333	259550.34	4021884.01	2.51730
259550.34	4021904.01	2.66335	259550.34	4021924.01	2.82273
259550.34	4021944.01	2.99744	259550.34	4021964.01	3.18762
259550.34	4021984.01	3.39429	259550.34	4022004.01	3.62114
259550.34	4022024.01	3.86804	259570.34	4021844.01	2.31971
259570.34	4021864.01	2.44845	259570.34	4021884.01	2.58873
259570.34	4021904.01	2.74239	259570.34	4021924.01	2.91089
259570.34	4021944.01	3.09624	259570.34	4021964.01	3.29856
259570.34	4021984.01	3.51939	259570.34	4022004.01	3.76345
259570.34	4022024.01	4.03073	259590.34	4021844.01	2.38257
259590.34	4021864.01	2.51737	259590.34	4021884.01	2.66465
259590.34	4021904.01	2.82614	259590.34	4021924.01	3.00369
259590.34	4021944.01	3.19948	259590.34	4021964.01	3.41428

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         259590.34    4021984.01        3.65013                    259590.34
4022004.01        3.91197
         259590.34    4022024.01        4.20069                    259610.34
4021844.01        2.44760
         259610.34    4021864.01        2.58906                    259610.34
4021884.01        2.74384
         259610.34    4021904.01        2.91363                    259610.34
4021924.01        3.10050
         259610.34    4021944.01        3.30702                    259610.34
4021964.01        3.53487
         259610.34    4021984.01        3.78677                    259610.34
4022004.01        4.06722
         259610.34    4022024.01        4.37857                    259630.34
4021844.01        2.51421
         259630.34    4021864.01        2.66278                    259630.34
4021884.01        2.82554
         259630.34    4021904.01        3.00427                    259630.34
4021924.01        3.20123
         259630.34    4021944.01        3.41923                    259630.34
4021964.01        3.66096
         259630.34    4021984.01        3.92969                    259630.34
4022004.01        4.22976
         259630.34    4022024.01        4.56481                    259650.34
4021844.01        2.58214
         259650.34    4021864.01        2.73819                    259650.34
4021884.01        2.90935
         259650.34    4021904.01        3.09782                    259650.34
4021924.01        3.30601
         259650.34    4021944.01        3.53681                    259650.34
4021964.01        3.79323
         259650.34    4021984.01        4.07957                    259650.34
4022004.01        4.40041
         259650.34    4022024.01        4.76033                    259670.34
4021844.01        2.65200
         259670.34    4021864.01        2.81585                    259670.34
4021884.01        2.99590
         259670.34    4021904.01        3.19461                    259670.34
4021924.01        3.41461
         259670.34    4021944.01        3.65902                    259670.34
4021964.01        3.93139
         259670.34    4021984.01        4.23648                    259670.34
4022004.01        4.57969
         259670.34    4022024.01        4.96671                    259690.34
4021844.01        2.72376
         259690.34    4021864.01        2.89570                    259690.34
4021884.01        3.08510
         259690.34    4021904.01        3.29453                    259690.34
4021924.01        3.52702
         259690.34    4021944.01        3.78594                    259690.34
4021964.01        4.07548
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	4.40082	259690.34	4022004.01	4.76813
259690.34	4022024.01	5.18451	259710.34	4021844.01	2.79705
259710.34	4021864.01	2.97731	259710.34	4021884.01	3.17647
259710.34	4021904.01	3.39726	259710.34	4021924.01	3.64293
259710.34	4021944.01	3.91736	259710.34	4021964.01	4.22530
259710.34	4021984.01	4.57245	259710.34	4022004.01	4.96582
259710.34	4022024.01	5.41379	259730.34	4021844.01	2.87263
259730.34	4021864.01	3.06140	259730.34	4021884.01	3.27051
259730.34	4021904.01	3.50299	259730.34	4021924.01	3.76246
259730.34	4021944.01	4.05325	259730.34	4021964.01	4.38067
259730.34	4021984.01	4.75116	259730.34	4022004.01	5.17260
259730.34	4022024.01	5.65424	259750.34	4021844.01	2.95148
259750.34	4021864.01	3.14890	259750.34	4021884.01	3.36814
259750.34	4021904.01	3.61257	259750.34		

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4021924.01        3.88624
         259750.34    4021944.01        4.19399                   259750.34
4021964.01        4.54179
         259750.34    4021984.01        4.93689                   259750.34
4022004.01        5.38831
         259750.34    4022024.01        5.90727                   259770.34
4021844.01        3.03576
         259770.34    4021864.01        3.24198                   259770.34
4021884.01        3.47153
         259770.34    4021904.01        3.72813                   259770.34
4021924.01        4.01627
         259770.34    4021944.01        4.34142                   259770.34
4021964.01        4.71021
         259770.34    4021984.01        5.13088                   259770.34
4022004.01        5.61374
         259770.34    4022024.01        6.17164                   259790.34
4021844.01        3.12948
         259790.34    4021864.01        3.34492                   259790.34
4021884.01        3.58520
         259790.34    4021904.01        3.85440                   259790.34
4021924.01        4.15746
         259790.34    4021944.01        4.50044                   259790.34
4021964.01        4.89079
         259790.34    4021984.01        5.33777                   259790.34
4022004.01        5.85309
         259790.34    4022024.01        6.45155                   259810.34
4021844.01        3.23844
         259810.34    4021864.01        3.46424                   259810.34
4021884.01        3.71641
         259810.34    4021904.01        3.99955                   259810.34
4021924.01        4.31890
         259810.34    4021944.01        4.68107                   259810.34
4021964.01        5.09438
         259810.34    4021984.01        5.56916                   259810.34
4022004.01        6.11846
         259810.34    4022024.01        6.75922                   259830.34
4021844.01        3.36936
         259830.34    4021864.01        3.60781                   259830.34
4021884.01        3.87449
         259830.34    4021904.01        4.17438                   259830.34
4021924.01        4.51328
         259830.34    4021944.01        4.89843                   259830.34
4021964.01        5.33852
         259830.34    4021984.01        5.84539                   259830.34
4022004.01        6.43394
         259830.34    4022024.01        7.12261                   259850.34
4021844.01        3.52807
         259850.34    4021864.01        3.78287                   259850.34
4021884.01        4.06823
         259850.34    4021904.01        4.38977                   259850.34
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4021924.01 4.75378
259850.34 4021944.01 5.16843 259850.34
4021964.01 5.64347

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259850.34	4021984.01	6.19223	259850.34	4022004.01	6.83154
259850.34	4022024.01	7.58193	259870.34	4021844.01	3.71617
259870.34	4021864.01	3.99175	259870.34	4021884.01	4.30119
259870.34	4021904.01	4.65102	259870.34	4021924.01	5.04852
259870.34	4021944.01	5.50308	259870.34	4021964.01	6.02570
259870.34	4021984.01	6.63129	259870.34	4022004.01	7.33858
259870.34	4022024.01	8.17373	259890.34	4021844.01	3.93068
259890.34	4021864.01	4.23173	259890.34	4021884.01	4.57102
259890.34	4021904.01	4.95629	259890.34	4021924.01	5.39573
259890.34	4021944.01	5.89963	259890.34	4021964.01	6.48222
259890.34	4021984.01	7.16126	259890.34	4022004.01	7.95979
259890.34	4022024.01	8.90825	259910.34	4021844.01	4.16518

259910.34 4021864.01 4.49534 259910.34
4021884.01 4.86895
259910.34 4021904.01 5.29486 259910.34
4021924.01 5.78242
259910.34 4021944.01 6.34493 259910.34
4021964.01 6.99911
259910.34 4021984.01 7.76657 259910.34
4022004.01 8.67569
259910.34 4022024.01 9.76437 259930.34
4021844.01 4.41251
259930.34 4021864.01 4.77440 259930.34
4021884.01 5.18567
259930.34 4021904.01 5.65599 259930.34
4021924.01 6.19753
259930.34 4021944.01 6.82585 259950.34
4021844.01 4.66905
259950.34 4021864.01 5.06498 259950.34
4021884.01 5.51693
259950.34 4021904.01 6.03634 259950.34
4021924.01 6.63782
259950.34 4021944.01 7.34017 259970.34
4021844.01 4.93686
259970.34 4021864.01 5.37053 259970.34
4021884.01 5.86818
259970.34 4021904.01 6.44341 259970.34
4021924.01 7.11426
259970.34 4021944.01 7.90385 259990.34
4021844.01 5.22411
259990.34 4021864.01 5.70181 259990.34
4021884.01 6.25349
259990.34 4021904.01 6.89524 259990.34
4021924.01 7.65038
259990.34 4021944.01 8.54737 260122.80
4022046.18 25.13557
260142.80 4022066.18 25.15360 260142.80
4022086.18 26.09399
260142.80 4022106.18 26.51537 260142.80
4022126.18 26.34228
260142.80 4022146.18 25.57967 260142.80
4022166.18 24.32628
260162.80 4022066.18 22.81524 260162.80
4022086.18 23.15430
260162.80 4022106.18 23.04263 260162.80
4022126.18 22.47832
260162.80 4022146.18 21.52624 260162.80
4022166.18 20.30861
260182.80 4022066.18 20.41875 260182.80
4022086.18 20.35111
260182.80 4022106.18 19.93581 260182.80
4022126.18 19.20994

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260182.80	4022146.18	18.24771	260182.80	4022166.18	17.16199
260202.80	4022066.18	18.12510	260202.80	4022086.18	17.79846
260202.80	4022106.18	17.23080	260202.80	4022126.18	16.47011
260202.80	4022146.18	15.58742	260202.80	4022166.18	14.66974
260095.45	4022187.01	36.91000	260095.45	4022207.01	34.48138
260095.45	4022227.01	31.55071	260095.45	4022247.01	28.71040
260095.45	4022267.01	26.33566	260115.45	4022187.01	29.81149
260115.45	4022207.01	27.62073	260115.45	4022227.01	25.35175
260115.45	4022247.01	23.32648	260115.45	4022267.01	21.67589
260135.45	4022187.01	24.35718	260135.45	4022207.01	22.55339
260135.45	4022227.01	20.84923	260135.45	4022247.01	19.39699
260135.45	4022267.01	18.21411	260155.45	4022187.01	20.18828
260155.45	4022207.01	18.76345	260155.45	4022227.01	17.49114
260155.45	4022247.01	16.43264	260155.45		

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4022267.01       15.56350
         260175.45    4022187.01       17.00096                       260175.45
4022207.01       15.89109
         260175.45    4022227.01       14.93443                       260175.45
4022247.01       14.14549
         260175.45    4022267.01       13.48301                       260195.45
4022187.01       14.52528
         260195.45    4022207.01       13.66371                       260195.45
4022227.01       12.93606
         260195.45    4022247.01       12.33459                       260195.45
4022267.01       11.81562
         260063.43    4022072.23       30.37477                       260063.43
4022092.23       35.11624
         260063.43    4022112.23       40.13258                       260083.43
4022072.23       30.48336
         260083.43    4022092.23       34.20120                       260083.43
4022112.23       37.73173
         260103.43    4022072.23       29.51063                       260103.43
4022092.23       32.11124
         260103.43    4022112.23       34.24870                       260243.42
4022062.81       14.15870
         260243.42    4022082.81       13.68462                       260243.42
4022102.81       13.10301
         260243.42    4022122.81       12.45799                       260243.42
4022142.81       11.79699
         260243.42    4022162.81       11.16293                       260243.42
4022182.81       10.58870
         260243.42    4022202.81       10.09259                       260243.42
4022222.81        9.67505
         260243.42    4022242.81        9.31934                       260243.42
4022262.81        8.99974
         260243.42    4022282.81        8.69458                       260243.42
4022302.81        8.39700
         260243.42    4022322.81        8.11670                       260243.42
4022342.81        7.86779
         260243.42    4022362.81        7.65324                       260243.42
4022382.81        7.45547
         260243.42    4022402.81        7.24489                       260243.42
4022422.81        6.99794
         260263.42    4022362.81        6.95915                       260263.42
4022382.81        6.79283
         260263.42    4022402.81        6.61997                       260263.42
4022422.81        6.41822
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       17:33:02

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)										
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64		
4022693.14	8.14608	9.17039	10.35671	11.73387	13.40321	15.22054	16.59347	17.11358	17.11797		
4022649.62	8.96292	10.31064	11.93142	13.75232	15.84099	18.26603	20.39857	21.28913	21.24642		
4022606.10	9.79740	11.59943	14.01361	16.73942	19.54053	22.70267	25.91473	27.48307	27.28735		
4022562.58	10.57618	12.97065	17.10711	22.37325	26.74521	30.98451	35.05817	37.49602	36.82954		
4022519.06	11.23174	14.11042	23.27447	34.91984	41.34399	43.62729	56.83872	57.98487	54.16088		
4022475.54	11.75369	14.68235	19.86194	31.02516	38.79171	48.30269	65.08489	94.47723	92.56957		
4022432.02	12.16304	14.97340	19.12442	26.10932	36.34209	50.73230	75.54465	121.17071	145.43595		
4022388.50	12.44411	15.21138	19.25542	25.70583	36.65705	56.06732	98.63630	224.43868	392.27968		
4022344.98	12.61556	15.33432	19.33067	25.69389	36.84777	59.01066	116.42151	389.91342	1456.09334		
4022301.46	12.73205	15.34117	19.16861	25.22117	35.77504	56.91939	111.11847	351.18271	1274.17614		
4022257.94	12.90029	15.35394	18.91216	24.41357	33.59809	50.45323	85.74076	188.20828	433.81843		
4022214.42	13.27624	15.53554	18.72320	23.39728	30.50744	41.59370	59.33549	89.15535	175.08333		
4022170.90	14.09646	16.07742	18.73435	22.33184	27.20136	33.78820	42.78544	55.67112	86.07634		

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  4022127.38 |      16.07221     17.63736     19.62691     22.13454     25.28205
29.27681     34.40635     41.55428     56.64834
  4022083.86 |      23.35857     24.07067     25.06905     26.40842     27.96307
30.43178     33.41245     37.75527     46.62803
  4022040.34 |      37.18537     32.26041     28.93287     29.73809     31.17860
36.28827     37.12443     39.29353     45.04426
  4021996.82 |      19.83274     21.01753     22.34383     23.85513     25.51903
27.44351     29.71755     32.79642     38.09777
  4021953.30 |      14.46914     15.29989     16.23241     17.26602     18.43977
19.79618     21.41970     23.73730     27.73132
  4021909.78 |      11.65998     12.32396     13.04697     13.86234     14.79606
15.86575     17.16407     19.07213     22.33723
  4021866.26 |       9.84072     10.39483     10.99990     11.67369     12.44003
13.32590     14.41910     16.05612     18.84226
  4021822.74 |       8.51730      8.99723      9.51950     10.09223     10.73966
11.49218     12.44028     13.88190     16.33205
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                   L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                   L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                   L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

    Y-COORD  |                                              X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |      16.62559     15.60148     14.58387     14.04409     13.32712
11.86203      9.64889      8.03916      6.94256
  4022649.62 |      20.43635     18.93924     18.08610     18.18373     19.26594
```

18.64959   11.45314   8.89713   7.53825
  4022606.10 | 25.80263   23.81392   23.58774   27.83490   29.54428
31.21287   13.72229   9.82212   8.19750
  4022562.58 | 33.84963   30.74181   33.81740   46.06871   28.15270
21.23855   15.51250   10.97305   8.94652
  4022519.06 | 46.81927   41.44021   41.40996   33.50326   24.67744
19.51208   15.70534   12.16272   9.76804
  4022475.54 | 76.48528   65.50429   54.05163   32.67864   24.70983
19.65422   16.03427   13.00911   10.55045
  4022432.02 | 106.48744   79.61126   59.17181   35.51200   26.08493
20.41713   16.52495   13.57303   11.17446
  4022388.50 | 169.36090   90.53217   63.89898   39.41235   27.81173
21.26768   17.03339   14.01433   11.67129
  4022344.98 | 302.51281   112.80211   70.58581   42.81179   29.63023
22.27282   17.68024   14.52677   12.17697
  4022301.46 | 500.21748   142.11289   78.66022   46.49689   31.84035
23.65717   18.62017   15.24750   12.80529
  4022257.94 | 476.83500   186.96190   90.78218   51.25052   34.45952
25.36132   19.82654   16.17232   13.58700
  4022214.42 | 261.03656   195.06908   106.28713   58.03750   37.84866
27.45047   21.29544   17.30911   14.53680
  4022170.90 | 140.83684   156.49664   113.29361   65.98326   42.50149
30.32639   23.28496   18.83978   15.81530
  4022127.38 | 86.38072   114.21056   106.41421   71.51694   48.04853
34.36978   26.28327   21.20109   17.81086
  4022083.86 | 63.60330   86.64695   94.22971   73.71497   54.35817
40.45290   31.45650   25.62412   21.66081
  4022040.34 | 56.29507   69.52874   85.09657   74.19282   60.83429
48.66217   43.28187   36.35818   35.43036
  4021996.82 | 46.93694   65.87512   71.84548   67.95703   61.38450
53.26530   46.04348   40.79227   37.31773
  4021953.30 | 34.59411   45.87060   53.94243   51.57305   48.59227
43.02230   36.79697   31.38762   27.23741
  4021909.78 | 28.16680   37.49780   43.69346   41.42974   40.57151
37.51093   32.93859   28.23962   24.20233
  4021866.26 | 24.02905   32.07794   36.91118   34.14373   34.19938
32.93499   30.01213   26.32780   22.72687
  4021822.74 | 21.10702   28.38121   32.11732   28.72928   28.97381
28.79230   27.22214   24.60953   21.64104

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000094   , L0000095

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, L0000096    , L0000097    , L0000098    ,
                L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       6.12989      5.49201      4.97389
  4022649.62 |       6.60140      5.88596      5.30771
  4022606.10 |       7.12394      6.31200      5.65798
  4022562.58 |       7.68633      6.75206      6.00882
  4022519.06 |       8.26230      7.18305      6.34390
  4022475.54 |       8.82109      7.59200      6.65939
  4022432.02 |       9.33587      7.98746      6.97202
  4022388.50 |       9.81847      8.39970      7.31655
  4022344.98 |      10.32872      8.87055      7.73013
  4022301.46 |      10.92578      9.43016      8.23705
  4022257.94 |      11.63268     10.09273      8.84942
  4022214.42 |      12.49101     10.89162      9.60019
  4022170.90 |      13.62485     11.94456     10.59635
  4022127.38 |      15.39210     13.57625     12.13318
  4022083.86 |      18.90603     16.82485     15.17258
  4022040.34 |      31.35289     28.14224     25.46991
  4021996.82 |      35.15696     33.91958     33.31093
  4021953.30 |      24.23137     22.03411     20.50766
  4021909.78 |      21.00605     18.60666     16.78161
  4021866.26 |      19.62162     17.15204     15.20035
  4021822.74 |      18.80854     16.37157     14.39753
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
```

INCLUDING SOURCE(S): L0000094 , L0000095
, L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103
, L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111
, L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119
, L0000120 , L0000121 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259632.90	4022073.46	30.32695	259632.90	4022093.46	25.46131
259632.90	4022113.46	23.83588	259632.90	4022133.46	23.50559
259632.90	4022153.46	23.83637	259632.90	4022173.46	24.52904
259632.90	4022193.46	25.39919	259632.90	4022213.46	26.30831
259632.90	4022233.46	27.16777	259652.90	4022073.46	30.38621
259652.90	4022093.46	26.15444	259652.90	4022113.46	24.78434
259652.90	4022133.46	24.68333	259652.90	4022153.46	25.28592
259652.90	4022173.46	26.30205	259652.90	4022193.46	27.53898
259652.90	4022213.46	28.84268	259652.90	4022233.46	30.08842
259672.90	4022073.46	30.84083	259672.90	4022093.46	26.94680
259672.90	4022113.46	25.81442	259672.90	4022133.46	25.96917
259672.90	4022153.46	26.87597	259672.90	4022173.46	28.26917
259672.90	4022193.46	29.96358	259672.90	4022213.46	31.78364
259672.90	4022233.46	33.56108	259692.90	4022073.46	31.69213
259692.90	4022093.46	27.84453	259692.90	4022113.46	26.92927
259692.90	4022133.46	27.36221	259692.90		

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4022153.46       28.61523
         259692.90    4022173.46       30.45505                       259692.90
4022193.46       32.71336
         259692.90    4022213.46       35.20579                       259692.90
4022233.46       37.71633
         259712.90    4022073.46       32.50250                       259712.90
4022093.46       28.80978
         259712.90    4022113.46       28.13744                       259712.90
4022133.46       28.87423
         259712.90    4022153.46       30.52198                       259712.90
4022173.46       32.88565
         259712.90    4022193.46       35.83418                       259712.90
4022213.46       39.19765
         259712.90    4022233.46       42.71903                       259732.90
4022073.46       33.21394
         259732.90    4022093.46       29.84196                       259732.90
4022113.46       29.44858
         259732.90    4022133.46       30.51216                       259732.90
4022153.46       32.60018
         259732.90    4022173.46       35.57512                       259732.90
4022193.46       39.37723
         259732.90    4022213.46       43.86741                       259732.90
4022233.46       48.78350
         259752.90    4022073.46       34.00927                       259752.90
4022093.46       30.96281
         259772.90    4022073.46       34.87914                       259772.90
4022093.46       32.18075
         259792.90    4022073.46       35.86387                       259792.90
4022093.46       33.51735
         259812.90    4022073.46       36.99984                       259812.90
4022093.46       35.02867
         259832.90    4022073.46       38.40321                       259832.90
4022093.46       36.84209
         259920.63    4022125.03       64.83439                       259920.63
4022145.03       77.94827
         259920.63    4022165.03       98.21410                       259940.63
4022105.03       64.18309
         259940.63    4022125.03       74.97130                       259940.63
4022145.03       91.46309
         259940.63    4022165.03      116.12599                       259960.63
4022105.03       73.36273
         259960.63    4022125.03       86.51720                       259960.63
4022145.03      105.85211
         259960.63    4022165.03      133.55122                       259980.63
4022105.03       83.99560
         259980.63    4022125.03       98.88008                       259980.63
4022145.03      119.70752
         259980.63    4022165.03      147.83399                       260000.63
4022105.03       96.77043
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260000.63	4022125.03	112.03207	260000.63	4022145.03	132.05429
260000.63	4022165.03	156.82958	259550.34	4021844.01	10.22505
259550.34	4021864.01	10.95018	259550.34	4021884.01	11.78788
259550.34	4021904.01	12.77518	259550.34	4021924.01	13.96622
259550.34	4021944.01	15.46094	259550.34	4021964.01	17.39539
259550.34	4021984.01	20.04257	259550.34	4022004.01	24.12860
259550.34	4022024.01	31.33308	259570.34	4021844.01	10.42296
259570.34	4021864.01	11.16170	259570.34	4021884.01	12.01526
259570.34	4021904.01	13.02519	259570.34	4021924.01	14.24824
259570.34	4021944.01	15.78336	259570.34	4021964.01	17.76547
259570.34	4021984.01	20.47677	259570.34	4022004.01	24.67750

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         259570.34    4022024.01       32.09960                  259590.34
4021844.01       10.63901
         259590.34    4021864.01       11.39444                  259590.34
4021884.01       12.26921
         259590.34    4021904.01       13.30286                  259590.34
4021924.01       14.55456
         259590.34    4021944.01       16.12033                  259590.34
4021964.01       18.14661
         259590.34    4021984.01       20.93796                  259590.34
4022004.01       25.24595
         259590.34    4022024.01       32.86099                  259610.34
4021844.01       10.86505
         259610.34    4021864.01       11.63984                  259610.34
4021884.01       12.53708
         259610.34    4021904.01       13.59504                  259610.34
4021924.01       14.87341
         259610.34    4021944.01       16.46943                  259610.34
4021964.01       18.54275
         259610.34    4021984.01       21.41649                  259610.34
4022004.01       25.82627
         259610.34    4022024.01       33.64547                  259630.34
4021844.01       11.09809
         259630.34    4021864.01       11.89280                  259630.34
4021884.01       12.81263
         259630.34    4021904.01       13.89607                  259630.34
4021924.01       15.20346
         259630.34    4021944.01       16.83431                  259630.34
4021964.01       18.95724
         259630.34    4021984.01       21.90599                  259630.34
4022004.01       26.42289
         259630.34    4022024.01       34.46405                  259650.34
4021844.01       11.33830
         259650.34    4021864.01       12.15328                  259650.34
4021884.01       13.09573
         259650.34    4021904.01       14.20696                  259650.34
4021924.01       15.54824
         259650.34    4021944.01       17.21847                  259650.34
4021964.01       19.39221
         259650.34    4021984.01       22.41377                  259650.34
4022004.01       27.04421
         259650.34    4022024.01       35.30890                  259670.34
4021844.01       11.59186
         259670.34    4021864.01       12.42791                  259670.34
4021884.01       13.39425
         259670.34    4021904.01       14.53372                  259670.34
4021924.01       15.90866
         259670.34    4021944.01       17.62048                  259670.34
4021964.01       19.84830
         259670.34    4021984.01       22.94492                  259670.34
4022004.01       27.69303
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	23.50386	259690.34	4022004.01	28.37880
259690.34	4022024.01	37.14639	259710.34	4021844.01	12.14019
259710.34	4021864.01	13.02022	259710.34	4021884.01	14.03816
259710.34	4021904.01	15.23773	259710.34	4021924.01	16.68510
259710.34	4021944.01	18.48692	259710.34	4021964.01	20.83261
259710.34	4021984.01	24.09351	259710.34	4022004.01	29.10434
259710.34	4022024.01	38.14466	259730.34		

259670.34	4022024.01	36.20611	259690.34	4021844.01	11.85930
259690.34	4021864.01	12.71696	259690.34	4021884.01	13.70862
259690.34	4021904.01	14.87717	259690.34	4021924.01	16.28717
259690.34	4021944.01	18.04261	259690.34	4021964.01	20.32755

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4021844.01       12.43962
         259730.34    4021864.01       13.34256                  259730.34
4021884.01       14.38740
         259730.34    4021904.01       15.61912                  259730.34
4021924.01       17.10549
         259730.34    4021944.01       18.95616                  259730.34
4021964.01       21.36552
         259730.34    4021984.01       24.71556                  259730.34
4022004.01       29.86994
         259730.34    4022024.01       39.19491                  259750.34
4021844.01       12.76321
         259750.34    4021864.01       13.68979                  259750.34
4021884.01       14.76238
         259750.34    4021904.01       16.02711                  259750.34
4021924.01       17.55362
         259750.34    4021944.01       19.45493                  259750.34
4021964.01       21.93051
         259750.34    4021984.01       25.37336                  259750.34
4022004.01       30.67684
         259750.34    4022024.01       40.29408                  259770.34
4021844.01       13.12059
         259770.34    4021864.01       14.07162                  259770.34
4021884.01       15.17273
         259770.34    4021904.01       16.47131                  259770.34
4021924.01       18.03920
         259770.34    4021944.01       19.99289                  259770.34
4021964.01       22.53759
         259770.34    4021984.01       26.07805                  259770.34
4022004.01       31.53636
         259770.34    4022024.01       41.46509                  259790.34
4021844.01       13.52532
         259790.34    4021864.01       14.50232                  259790.34
4021884.01       15.63352
         259790.34    4021904.01       16.96800                  259790.34
4021924.01       18.57957
         259790.34    4021944.01       20.58810                  259790.34
4021964.01       23.20508
         259790.34    4021984.01       26.84753                  259790.34
4022004.01       32.46522
         259790.34    4022024.01       42.70996                  259810.34
4021844.01       13.99619
         259810.34    4021864.01       15.00250                  259810.34
4021884.01       16.16739
         259810.34    4021904.01       17.54208                  259810.34
4021924.01       19.20211
         259810.34    4021944.01       21.27037                  259810.34
4021964.01       23.96408
         259810.34    4021984.01       27.71344                  259810.34
4022004.01       33.49798
         259810.34    4022024.01       44.08359                  259830.34
```

4021844.01   14.55636
         259830.34   4021864.01   15.59752   259830.34
4021884.01   16.80264
         259830.34   4021904.01   18.22469   259830.34
4021924.01   19.94161
         259830.34   4021944.01   22.07987   259830.34
4021964.01   24.86067
         259830.34   4021984.01   28.72747   259830.34
4022004.01   34.69877
         259830.34   4022024.01   45.63849   259850.34
4021844.01   15.23095
         259850.34   4021864.01   16.31529   259850.34
4021884.01   17.56921
         259850.34   4021904.01   19.04879   259850.34
4021924.01   20.83336
         259850.34   4021944.01   23.05429   259850.34
4021964.01   25.93688

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                    INCLUDING SOURCE(S):   L0000094   , L0000095
, L0000096   , L0000097   , L0000098   ,
                   L0000099   , L0000100   , L0000101   , L0000102   , L0000103
, L0000104   , L0000105   , L0000106   ,
                   L0000107   , L0000108   , L0000109   , L0000110   , L0000111
, L0000112   , L0000113   , L0000114   ,
                   L0000115   , L0000116   , L0000117   , L0000118   , L0000119
, L0000120   , L0000121   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259850.34   4021984.01   29.94090   259850.34
4022004.01   36.12809
         259850.34   4022024.01   47.49608   259870.34
4021844.01   16.04100

259870.34 4021864.01 17.17689 259870.34
4021884.01 18.48989
259870.34 4021904.01 20.04088 259870.34
4021924.01 21.91309
259870.34 4021944.01 24.24490 259870.34
4021964.01 27.26937
259870.34 4021984.01 31.45970 259870.34
4022004.01 37.88206
259870.34 4022024.01 49.69815 259890.34
4021844.01 17.01175
259890.34 4021864.01 18.20912 259890.34
4021884.01 19.59437
259890.34 4021904.01 21.23401 259890.34
4021924.01 23.21269
259890.34 4021944.01 25.66985 259890.34
4021964.01 28.85303
259890.34 4021984.01 33.25455 259890.34
4022004.01 39.99095
259890.34 4022024.01 52.35864 259910.34
4021844.01 18.18599
259910.34 4021864.01 19.45070 259910.34
4021884.01 20.91642
259910.34 4021904.01 22.65287 259910.34
4021924.01 24.74694
259910.34 4021944.01 27.34799 259910.34
4021964.01 30.71441
259910.34 4021984.01 35.35987 259910.34
4022004.01 42.45038
259910.34 4022024.01 55.44834 259930.34
4021844.01 19.64526
259930.34 4021864.01 20.98161 259930.34
4021884.01 22.53338
259930.34 4021904.01 24.37148 259930.34
4021924.01 26.59144
259930.34 4021944.01 29.35224 259950.34
4021844.01 21.57165
259950.34 4021864.01 22.98149 259950.34
4021884.01 24.62437
259950.34 4021904.01 26.57291 259950.34
4021924.01 28.92759
259950.34 4021944.01 31.85906 259970.34
4021844.01 24.42265
259970.34 4021864.01 25.90051 259970.34
4021884.01 27.63399
259970.34 4021904.01 29.71578 259970.34
4021924.01 32.21962
259970.34 4021944.01 35.33748 259990.34
4021844.01 29.53760
259990.34 4021864.01 31.02627 259990.34
4021884.01 32.81340

```
         259990.34    4021904.01       35.06612                       259990.34
4021924.01       37.71142
         259990.34    4021944.01       40.99925                       260122.80
4022046.18       75.98242
         260142.80    4022066.18       72.56357                       260142.80
4022086.18       70.10487
         260142.80    4022106.18       68.64665                       260142.80
4022126.18       66.94518
         260142.80    4022146.18       64.62104                       260142.80
4022166.18       61.67729
         260162.80    4022066.18       66.56818                       260162.80
4022086.18       63.09934
         260162.80    4022106.18       60.70895                       260162.80
4022126.18       58.31859
         260162.80    4022146.18       55.66071                       260162.80
4022166.18       52.78014
         260182.80    4022066.18       60.77300                       260182.80
4022086.18       56.65515
         260182.80    4022106.18       53.75157                       260182.80
4022126.18       51.08668
         260182.80    4022146.18       48.41415                       260182.80
4022166.18       45.76364
         260202.80    4022066.18       55.39233                       260202.80
4022086.18       50.88190
         260202.80    4022106.18       47.73718                       260202.80
4022126.18       45.02742
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                   L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                   L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                   L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260202.80	4022146.18	42.50406	260202.80	4022166.18	40.15273
260095.45	4022187.01	90.12619	260095.45	4022207.01	85.43445
260095.45	4022227.01	79.89922	260095.45	4022247.01	74.48984
260095.45	4022267.01	69.78413	260115.45	4022187.01	74.08644
260115.45	4022207.01	69.76829	260115.45	4022227.01	65.35031
260115.45	4022247.01	61.33696	260115.45	4022267.01	57.94269
260135.45	4022187.01	61.91232	260135.45	4022207.01	58.25712
260135.45	4022227.01	54.81159	260135.45	4022247.01	51.80088
260135.45	4022267.01	49.25949	260155.45	4022187.01	52.58345
260155.45	4022207.01	49.58419	260155.45	4022227.01	46.89117
260155.45	4022247.01	44.58465	260155.45	4022267.01	42.62175
260175.45	4022187.01	45.37655	260175.45	4022207.01	42.92517
260175.45	4022227.01	40.78613	260175.45	4022247.01	38.96390
260175.45	4022267.01	37.38912	260195.45	4022187.01	39.70740
260195.45	4022207.01	37.69068	260195.45	4022227.01	35.95699
260195.45	4022247.01	34.47498	260195.45	4022267.01	33.17128
260063.43	4022072.23	95.40019	260063.43	4022092.23	100.93733
260063.43	4022112.23	108.37593	260083.43	4022072.23	89.47214
260083.43	4022092.23	92.90912	260083.43	4022112.23	97.43065
260103.43	4022072.23	83.76990	260103.43	4022092.23	85.08790
260103.43	4022112.23	87.04225	260243.42	4022062.81	47.11998
260243.42	4022082.81	42.04792	260243.42	4022102.81	38.75291
260243.42	4022122.81	36.18191	260243.42		

4022142.81   34.01011
         260243.42   4022162.81   32.13215   260243.42
4022182.81   30.50965
         260243.42   4022202.81   29.12286   260243.42
4022222.81   27.93894
         260243.42   4022242.81   26.91454   260243.42
4022262.81   26.00120
         260243.42   4022282.81   25.16143   260243.42
4022302.81   24.38319
         260243.42   4022322.81   23.66816   260243.42
4022342.81   23.03657
         260243.42   4022362.81   22.49383   260243.42
4022382.81   22.02666
         260243.42   4022402.81   21.59795   260243.42
4022422.81   21.17638
         260263.42   4022362.81   20.67872   260263.42
4022382.81   20.28858
         260263.42   4022402.81   19.93739   260263.42
4022422.81   19.59750

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: GEN   ***
                                   INCLUDING SOURCE(S):   GEN   ,

                                    *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

  Y-COORD | X-COORD (METERS)
  (METERS) | 259429.52   259488.16   259546.80
      259605.44   259664.08
 -
- -

 4022693.1 | 5.08426 (20122810)   5.35514 (20122810)   4.82376 (21122710)
     6.64588 (20040610)   7.19952 (20040610)
 4022649.6 | 4.76595 (20122810)   5.89964 (20122810)   6.12890 (20122810)
     6.01013 (20040610)   8.29996 (20040610)
 4022606.1 | 3.74690 (20122810)   5.45846 (20122810)   6.91377 (20122810)
     7.00839 (20122810)   8.17515 (20040610)
 4022562.6 | 4.03400 (19032510)   4.34443 (19032510)   6.27050 (20122810)

```
    8.17498 (20122810)      7.91538 (20122810)
 4022519.1 |      4.12883 (19032510)      4.81039 (19032510)      5.36910 (19032510)
    7.16444 (20122810)      9.70710 (20122810)
 4022475.5 |      5.15424 (22032810)      4.71518 (22032810)      5.71092 (19032510)
    6.68939 (19032510)      8.04247 (20122810)
 4022432.0 |      5.99565 (22032810)      6.61912 (22032810)      6.82308 (22032810)
    6.62164 (19032510)      8.28322 (19032510)
 4022388.5 |      4.95687 (18010810)      5.63858 (22032810)      6.90378 (22032810)
    8.30295 (21121310)      9.37433 (21121310)
 4022345.0 |      4.95710 (18010810)      5.63961 (18010810)      6.43421 (18010810)
    7.32747 (18010810)      8.20187 (18010810)
 4022301.5 |      4.16448 (19021110)      4.72045 (19021110)      5.40540 (19021110)
    6.24387 (19021110)      7.25417 (19021110)
 4022257.9 |      3.77467 (19021110)      4.17657 (19021110)      4.62254 (19021110)
    5.07557 (19021110)      6.11856 (22071810)
 4022214.4 |      3.08495 (22071810)      3.50755 (22071810)      4.01712 (22071810)
    4.58318 (22071810)      5.11506 (22071810)
 4022170.9 |      2.86449 (22071810)      3.11920 (22071810)      3.36651 (22071810)
    3.52971 (22071810)      4.75826 (18021210)
 4022127.4 |      2.42770 (22071810)      2.49640 (22071810)      2.94322 (18021210)
    4.49061 (18021210)      5.61811 (18021210)
 4022083.9 |      2.29308 (20120710)      2.89347 (18021210)      4.06935 (18021210)
    4.86394 (18021210)      4.65460 (20021010)
 4022040.3 |      2.77324 (18021210)      3.66447 (18021210)      4.22940 (18021210)
    3.93990 (18021210)      4.42200 (20021010)
 4021996.8 |      3.32322 (18021210)      3.71889 (18021210)      3.50830 (18021210)
    3.71178 (20021010)      3.89072 (20021010)
 4021953.3 |      3.33537 (18021210)      3.15617 (18021210)      3.49511 (19111110)
    3.69016 (19111110)      3.47457 (19111110)
 4021909.8 |      2.97170 (19111110)      3.40216 (19111110)      3.67708 (19111110)
    3.67675 (19111110)      3.27334 (19111110)
 4021866.3 |      3.30309 (19111110)      3.61517 (19111110)      3.71745 (19111110)
    3.52010 (19111110)      2.99680 (19111110)
 4021822.7 |      3.52934 (19111110)      3.70242 (19111110)      3.63767 (19111110)
    3.28201 (19111110)      2.96604 (20082410)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                   INCLUDING SOURCE(S):     GEN         ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	259722.72	259781.36	259840.00	259898.64	259957.28
4022693.1	6.53900 (20032310)	7.96617 (20032310)	10.00837 (19020410)	11.55225 (19020410)	6.30872 (22030710)
4022649.6	7.28502 (20040610)	8.95895 (20032310)	10.60406 (19022510)	15.43036 (19020410)	6.93377 (22030710)
4022606.1	9.71013 (20040610)	9.41989 (20032310)	11.67443 (19022510)	21.08142 (19020410)	7.61468 (22030710)
4022562.6	10.92104 (20040610)	9.50631 (20040610)	11.81931 (19022510)	30.04956 (19020410)	8.28387 (22030710)
4022519.1	9.28200 (20040610)	13.30349 (20040610)	13.01646 (20032310)	42.36038 (19020410)	8.82113 (22022810)
4022475.5	11.33745 (20122810)	13.38551 (20040610)	12.19737 (20032310)	56.36562 (19020410)	9.84784 (22022810)
4022432.0	9.27534 (19032510)	12.03114 (20122810)	15.77073 (20040610)	54.63398 (19020410)	10.08189 (21072610)
4022388.5	9.56681 (19032510)	11.30637 (19032510)	10.84076 (19040110)	39.99700 (19020410)	10.72385 (21072610)
4022345.0	9.28008 (21121310)	11.80286 (21121310)	10.49574 (21121310)	8.19179 (19040110)	6.31853 (22102410)
4022301.5	8.37882 (19021110)	9.38176 (22071810)	11.25069 (22071810)	6.70203 (19072210)	92.33087 (18061110)
4022257.9	7.38615 (22071810)	8.39415 (22071810)	8.07779 (18021210)	8.78129 (20082410)	31.42208 (20121410)
4022214.4	5.34299 (22071810)	7.81434 (18021210)	8.46297 (20021010)	9.66470 (21071910)	24.26542 (19030410)
4022170.9	6.59200 (18021210)	7.24222 (20021010)	7.38478 (20082410)	9.55715 (21071910)	21.77877 (19030410)
4022127.4	5.81897 (20021010)	6.19665 (20021010)	7.60084 (20082410)	8.46117 (21071910)	14.80803 (19030410)
4022083.9	5.29593 (20021010)	4.96667 (20082410)	7.20555 (18030510)	7.28640 (21071910)	13.56261 (20020310)
4022040.3	4.39318 (20021010)	5.29452 (20082410)	6.62353 (18030510)	6.26470 (18040910)	11.67458 (20020310)
4021996.8	3.56562 (20082410)	5.11633 (20082410)	5.87066 (18030510)	5.46155 (18040910)	9.90681 (20020310)
4021953.3	3.82425 (20082410)	4.71742 (18030510)	5.14036 (18030510)	4.79540 (18032610)	8.40029 (20020310)
4021909.8	3.83830 (20082410)	4.41281 (18030510)	4.48410 (18030510)	4.28597 (18032610)	7.15457 (20020310)
4021866.3	3.68971 (20082410)	4.05844 (18030510)	3.91286 (18030510)	3.89120 (21031510)	6.13030 (20020310)
4021822.7	3.44987 (20082410)	3.69609 (18030510)	3.62395 (22112110)		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): GEN ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260015.92	260074.56	260133.20	260191.84	260250.48
4022693.1	4.80828 (21030110)	9.36575 (21010410)	7.08342 (21010410)	6.24360 (20031610)	4.31927 (21120610)
4022649.6	5.98826 (21010410)	10.64348 (21010410)	8.08876 (20031610)	4.70648 (21120610)	4.21188 (21120610)
4022606.1	8.82560 (21010410)	10.55656 (21010410)	7.42064 (20031610)	4.95270 (21120610)	3.57015 (21120610)
4022562.6	12.18788 (21010410)	9.41660 (20031610)	6.02205 (21072610)	4.42311 (21120610)	5.97925 (18011510)
4022519.1	14.65872 (21010410)	9.09852 (21072610)	5.50347 (21120610)	6.89307 (18011510)	7.36934 (18011510)
4022475.5	12.92867 (21010410)	8.39168 (21072610)	7.88116 (18011510)	8.29169 (18011510)	6.53353 (20021710)
4022432.0	12.80417 (21072610)	9.06954 (18011510)	9.26493 (18011510)	8.70235 (20021710)	7.91120 (20021710)
4022388.5	8.80059 (18011510)	11.09943 (20021710)	10.98123 (20021710)	8.97780 (20021710)	6.91179 (20021710)
4022345.0	12.49794 (20021710)	10.62469 (20021710)	8.10690 (21083010)	6.62223 (21083010)	5.42965 (21083010)
4022301.5	16.36340 (21090610)	15.16763 (21090610)	12.40899 (21090610)	9.84221 (21090610)	7.85763 (21090610)
4022257.9	40.14004 (18061110)	22.18096 (18061110)	14.62773 (20081010)	11.18112 (21090610)	9.55516 (21090610)
4022214.4	32.44438 (18110510)	36.56474 (19122310)	25.26972 (19122310)	11.46609 (20081010)	9.79851 (20081010)
4022170.9	31.38117 (18072310)	28.81691 (18110510)	24.31104 (19122310)		

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: GEN ***
INCLUDING SOURCE(S): GEN ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260309.12	260367.76	260426.40	260485.04	260543.68
4022693.1	3.59690 (21120610)	2.92105 (18011510)	3.98647 (18011510)	4.33912 (18011510)	3.99848 (18011510)
4022649.6	3.16155 (18011510)	4.52288 (18011510)	4.90597 (18011510)	4.39465 (18011510)	3.44466 (18011510)
4022606.1	5.18622 (18011510)	5.60398 (18011510)	4.83060 (18011510)	3.58259 (18011510)	3.59661 (22110710)
4022562.6	6.42579 (18011510)	5.25309 (18011510)	4.04946 (22110710)	4.12430 (22110710)	3.84750 (20021710)
4022519.1	5.59914 (18011510)	5.08591 (20021710)	4.87589 (20021710)		
4022127.4	24.42786 (22041110)	23.13786 (18060410)	19.57583 (18080610)	15.95596 (19122310)	13.76616 (19122310)
4022083.9	20.77050 (22041110)	19.62390 (20121410)	16.80412 (18110510)	14.15202 (18080610)	10.89834 (19122310)
4022040.3	18.08451 (19030410)	16.32856 (20121410)	14.13760 (18060410)	12.90375 (18110510)	10.24797 (18080610)
4021996.8	15.37161 (19030410)	13.72989 (22041110)	12.03970 (20042710)	9.67112 (21092710)	9.47593 (18110510)
4021953.3	11.93836 (19030410)	11.72661 (22041110)	10.84913 (19041510)	9.00323 (18060410)	8.15873 (18110510)
4021909.8	8.73505 (19030410)	9.08193 (22041110)	8.75967 (19041510)	8.15021 (20042710)	6.92521 (21092710)
4021866.3	7.92758 (20020310)	8.37549 (19030410)	8.25805 (22041110)	7.73503 (19041510)	6.56324 (18040210)
4021822.7	7.17448 (20020310)	7.80357 (19030410)	7.62629 (22041110)	6.76375 (19041510)	6.11148 (18040210)
4021779.2	6.49124 (20020310)	6.91124 (19030410)	6.99124 (22041110)	6.39124 (19041510)	5.56124 (18040210)
4021735.7	5.91124 (20020310)	6.11124 (19030410)	6.19124 (22041110)	5.99124 (19041510)	4.91124 (18040210)
4021692.1	5.41124 (20020310)	5.41124 (19030410)	5.41124 (22041110)	5.41124 (19041510)	4.41124 (18040210)
4021648.6	4.91124 (20020310)	4.91124 (19030410)	4.91124 (22041110)	4.91124 (19041510)	4.41124 (18040210)
4021605.1	4.41124 (20020310)	4.41124 (19030410)	4.41124 (22041110)	4.41124 (19041510)	4.41124 (18040210)
4021561.6	4.41124 (20020310)	4.41124 (19030410)	4.41124 (22041110)	4.41124 (19041510)	4.41124 (18040210)
4021518.1	4.41124 (20020310)	4.41124 (19030410)	4.41124 (22041110)	4.41124 (19041510)	4.41124 (18040210)

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    4.46183 (20021710)      3.97240 (20021710)
 4022475.5 |      6.41924 (20021710)      5.81828 (20021710)      5.05249 (20021710)
    4.29030 (20021710)      3.60533 (20021710)
 4022432.0 |      6.66371 (20021710)      5.43448 (20021710)      4.37799 (20021710)
    3.51978 (20021710)      2.83807 (20021710)
 4022388.5 |      5.25939 (20021710)      4.01903 (20021710)      3.09980 (20021710)
    2.70779 (21083010)      2.45834 (21083010)
 4022345.0 |      4.51867 (21083010)      3.83191 (21083010)      3.31758 (21083010)
    2.92865 (21083010)      2.62651 (21083010)
 4022301.5 |      6.37247 (21090610)      5.24513 (21090610)      4.39017 (21090610)
    3.73398 (21090610)      3.22598 (21090610)
 4022257.9 |      8.03684 (21090610)      6.75745 (21090610)      5.72380 (21090610)
    4.90459 (21090610)      4.25741 (21090610)
 4022214.4 |      7.92174 (20081010)      6.78718 (18123110)      6.09222 (18123110)
    5.32389 (18123110)      4.71135 (21090610)
 4022170.9 |      7.67042 (20081010)      6.74982 (20081010)      5.73771 (20081010)
    5.05440 (18123110)      4.80137 (18123110)
 4022127.4 |      8.44460 (19122310)      5.92530 (22022110)      5.44563 (20081010)
    4.90984 (20081010)      4.31612 (20081010)
 4022083.9 |      9.94998 (19122310)      6.96989 (19122310)      5.42310 (22022110)
    4.74190 (22022110)      4.11783 (20110210)
 4022040.3 |      7.74750 (19122310)      7.62387 (19122310)      5.98289 (19122310)
    4.77670 (22022110)      4.44315 (22022110)
 4021996.8 |      7.75269 (18080610)      6.03114 (19082610)      6.20557 (19122310)
    5.27158 (19122310)      4.13052 (22022110)
 4021953.3 |      7.18170 (18110510)      6.16748 (18080610)      5.05296 (19082610)
    5.24211 (19122310)      4.69931 (19122310)
 4021909.8 |      6.84108 (18110510)      5.63498 (18110510)      5.08129 (18080610)
    4.29747 (19082610)      4.51382 (19122310)
 4021866.3 |      5.57036 (18110510)      5.74191 (18110510)      4.61518 (18080610)
    4.27729 (18080610)      3.70255 (19082610)
 4021822.7 |      5.28606 (21092710)      5.08935 (18110510)      4.82710 (18110510)
    3.98215 (18080610)      3.64518 (18080610)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                   INCLUDING SOURCE(S):     GEN         ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
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  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |      3.27531 (18011510)
 4022649.6 |      3.07833 (22110710)
 4022606.1 |      3.52512 (22110710)
 4022562.6 |      3.57090 (20021710)
 4022519.1 |      3.48215 (20021710)
 4022475.5 |      3.02019 (20021710)
 4022432.0 |      2.30443 (20021710)
 4022388.5 |      2.25324 (21083010)
 4022345.0 |      2.38478 (21083010)
 4022301.5 |      2.83213 (21090610)
 4022257.9 |      3.74220 (21090610)
 4022214.4 |      4.23735 (21090610)
 4022170.9 |      4.42806 (18123110)
 4022127.4 |      4.01739 (22090510)
 4022083.9 |      3.89979 (20110210)
 4022040.3 |      4.05947 (20110210)
 4021996.8 |      4.03045 (22022110)
 4021953.3 |      3.71216 (19122310)
 4021909.8 |      4.19551 (19122310)
 4021866.3 |      3.93878 (19122310)
 4021822.7 |      3.23065 (19101410)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                    INCLUDING SOURCE(S):     GEN         ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        259632.90   4022073.46        4.55735  (18021210)               259632.90
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4022093.46        5.05166  (18021210)
        259632.90   4022113.46        5.24512  (18021210)                259632.90
4022133.46        5.04786  (18021210)
        259632.90   4022153.46        4.46102  (18021210)                259632.90
4022173.46        3.61952  (22071810)
        259632.90   4022193.46        4.25596  (22071810)                259632.90
4022213.46        4.82363  (22071810)
        259632.90   4022233.46        5.25632  (22071810)                259652.90
4022073.46        4.46919  (20021010)
        259652.90   4022093.46        4.91456  (18021210)                259652.90
4022113.46        5.39598  (18021210)
        259652.90   4022133.46        5.47599  (18021210)                259652.90
4022153.46        5.09922  (18021210)
        259652.90   4022173.46        4.24403  (18021210)                259652.90
4022193.46        4.31858  (22071810)
        259652.90   4022213.46        4.99419  (22071810)                259652.90
4022233.46        5.53450  (22071810)
        259672.90   4022073.46        4.74072  (20021010)                259672.90
4022093.46        4.81704  (20021010)
        259672.90   4022113.46        5.33138  (18021210)                259672.90
4022133.46        5.72192  (18021210)
        259672.90   4022153.46        5.60712  (18021210)                259672.90
4022173.46        4.99489  (18021210)
        259672.90   4022193.46        4.34843  (22071810)                259672.90
4022213.46        5.14343  (22071810)
        259672.90   4022233.46        5.81037  (22071810)                259692.90
4022073.46        4.96245  (20021010)
        259692.90   4022093.46        5.14273  (20021010)                259692.90
4022113.46        5.20525  (20021010)
        259692.90   4022133.46        5.69727  (18021210)                259692.90
4022153.46        6.03868  (18021210)
        259692.90   4022173.46        5.76279  (18021210)                259692.90
4022193.46        4.85249  (18021210)
        259692.90   4022213.46        5.25089  (22071810)                259692.90
4022233.46        6.07102  (22071810)
        259712.90   4022073.46        5.08777  (20021010)                259712.90
4022093.46        5.38589  (20021010)
        259712.90   4022113.46        5.57631  (20021010)                259712.90
4022133.46        5.61448  (20021010)
        259712.90   4022153.46        6.21497  (18021210)                259712.90
4022173.46        6.39940  (18021210)
        259712.90   4022193.46        5.80137  (18021210)                259712.90
4022213.46        5.29638  (22071810)
        259712.90   4022233.46        6.29754  (22071810)                259732.90
4022073.46        5.07528  (20021010)
        259732.90   4022093.46        5.50250  (20021010)                259732.90
4022113.46        5.83940  (20021010)
        259732.90   4022133.46        6.03452  (20021010)                259732.90
4022153.46        6.03936  (20021010)
        259732.90   4022173.46        6.73334  (18021210)                259732.90
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4022193.46        6.66528  (18021210)
        259732.90   4022213.46        5.62252  (18021210)                259732.90
4022233.46        6.46131  (22071810)
        259752.90   4022073.46        4.91148  (20021010)                259752.90
4022093.46        5.45509  (20021010)
        259772.90   4022073.46        4.68117  (20082410)                259772.90
4022093.46        5.21395  (20021010)
        259792.90   4022073.46        5.61670  (20082410)                259792.90
4022093.46        5.45951  (20082410)
        259812.90   4022073.46        6.30460  (20082410)                259812.90
4022093.46        6.41532  (20082410)
        259832.90   4022073.46        6.89711  (18030510)                259832.90
4022093.46        7.00733  (18030510)
        259920.63   4022125.03        8.85367  (21071910)                259920.63
4022145.03        9.56772  (21071910)
        259920.63   4022165.03       10.29578  (21071910)                259940.63
4022105.03       11.58971  (20020310)
        259940.63   4022125.03       11.99352  (20020310)                259940.63
4022145.03       11.96093  (20020310)
        259940.63   4022165.03       11.75881  (20020310)                259960.63
4022105.03       14.62882  (20020310)
        259960.63   4022125.03       16.96293  (19030410)                259960.63
4022145.03       20.43749  (19030410)
        259960.63   4022165.03       23.31013  (19030410)                259980.63
4022105.03       23.91386  (19030410)
        259980.63   4022125.03       26.04587  (19030410)                259980.63
4022145.03       26.82106  (19030410)
        259980.63   4022165.03       25.48339  (19030410)                260000.63
4022105.03       23.08202  (19030410)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                   INCLUDING SOURCE(S):     GEN         ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - -
        260000.63   4022125.03       24.13914  (22041110)                260000.63
4022145.03       26.01327  (22041110)
        260000.63   4022165.03       28.02796  (18102910)                259550.34
4021844.01        3.68091  (19111110)
        259550.34   4021864.01        3.71259  (19111110)                259550.34
4021884.01        3.71905  (19111110)
        259550.34   4021904.01        3.69811  (19111110)                259550.34
4021924.01        3.64698  (19111110)
        259550.34   4021944.01        3.56595  (19111110)                259550.34
4021964.01        3.44857  (19111110)
        259550.34   4021984.01        3.28075  (19111110)                259550.34
4022004.01        3.63599  (18021210)
        259550.34   4022024.01        4.02785  (18021210)                259570.34
4021844.01        3.60924  (19111110)
        259570.34   4021864.01        3.66795  (19111110)                259570.34
4021884.01        3.70401  (19111110)
        259570.34   4021904.01        3.71565  (19111110)                259570.34
4021924.01        3.69908  (19111110)
        259570.34   4021944.01        3.65249  (19111110)                259570.34
4021964.01        3.55930  (19111110)
        259570.34   4021984.01        3.41358  (19111110)                259570.34
4022004.01        3.42264  (20021010)
        259570.34   4022024.01        3.91087  (18021210)                259590.34
4021844.01        3.50681  (19111110)
        259590.34   4021864.01        3.59131  (19111110)                259590.34
4021884.01        3.65696  (19111110)
        259590.34   4021904.01        3.70039  (19111110)                259590.34
4021924.01        3.71766  (19111110)
        259590.34   4021944.01        3.70208  (19111110)                259590.34
4021964.01        3.63352  (19111110)
        259590.34   4021984.01        3.54306  (20021010)                259590.34
4022004.01        3.61917  (20021010)
        259590.34   4022024.01        3.67811  (18021210)                259610.34
4021844.01        3.36887  (19111110)
        259610.34   4021864.01        3.47734  (19111110)                259610.34
4021884.01        3.57070  (19111110)
        259610.34   4021904.01        3.64457  (19111110)                259610.34
4021924.01        3.69295  (19111110)
        259610.34   4021944.01        3.69929  (19111110)                259610.34
4021964.01        3.66621  (19111110)
        259610.34   4021984.01        3.65646  (20021010)                259610.34
4022004.01        3.78597  (20021010)
        259610.34   4022024.01        3.86692  (20021010)                259630.34
4021844.01        3.19484  (19111110)
        259630.34   4021864.01        3.32365  (19111110)                259630.34
4021884.01        3.44147  (19111110)
        259630.34   4021904.01        3.54358  (19111110)                259630.34
4021924.01        3.60836  (19111110)
        259630.34   4021944.01        3.64718  (19111110)                259630.34
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4021964.01        3.65119  (19111110)
        259630.34   4021984.01        3.72372  (20021010)                259630.34
4022004.01        3.91071  (20021010)
        259630.34   4022024.01        4.05360  (20021010)                259650.34
4021844.01        2.98690  (19111110)
        259650.34   4021864.01        3.13135  (19111110)                259650.34
4021884.01        3.26891  (19111110)
        259650.34   4021904.01        3.37831  (19111110)                259650.34
4021924.01        3.47309  (19111110)
        259650.34   4021944.01        3.54426  (19111110)                259650.34
4021964.01        3.58414  (19111110)
        259650.34   4021984.01        3.73522  (20021010)                259650.34
4022004.01        3.98111  (20021010)
        259650.34   4022024.01        4.19018  (20021010)                259670.34
4021844.01        3.03036  (20082410)
        259670.34   4021864.01        2.99041  (20082410)                259670.34
4021884.01        3.03967  (19111110)
        259670.34   4021904.01        3.16949  (19111110)                259670.34
4021924.01        3.28687  (19111110)
        259670.34   4021944.01        3.38603  (19111110)                259670.34
4021964.01        3.45957  (19111110)
        259670.34   4021984.01        3.68101  (20021010)                259670.34
4022004.01        3.98439  (20021010)
        259670.34   4022024.01        4.26319  (20021010)                259690.34
4021844.01        3.30181  (20082410)
        259690.34   4021864.01        3.31302  (20082410)                259690.34
4021884.01        3.29757  (20082410)
        259690.34   4021904.01        3.25120  (20082410)                259690.34
4021924.01        3.16966  (20082410)
        259690.34   4021944.01        3.17447  (19111110)                259690.34
4021964.01        3.27733  (19111110)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                    INCLUDING SOURCE(S):     GEN         ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)   CONC   (YYMMDDHH)
- -

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        259690.34   4021984.01        3.55532  (20021010)                259690.34
4022004.01         3.90996  (20021010)
        259690.34   4022024.01        4.25643  (20021010)                259710.34
4021844.01         3.49894  (20082410)
        259710.34   4021864.01        3.56723  (20082410)                259710.34
4021884.01         3.61317  (20082410)
        259710.34   4021904.01        3.63076  (20082410)                259710.34
4021924.01         3.61352  (20082410)
        259710.34   4021944.01        3.55475  (20082410)                259710.34
4021964.01         3.44811  (20082410)
        259710.34   4021984.01        3.35506  (20021010)                259710.34
4022004.01         3.74995  (20021010)
        259710.34   4022024.01        4.15494  (20021010)                259730.34
4021844.01         3.60148  (20082410)
        259730.34   4021864.01        3.72735  (20082410)                259730.34
4021884.01         3.83792  (20082410)
        259730.34   4021904.01        3.92677  (20082410)                259730.34
4021924.01         3.98637  (20082410)
        259730.34   4021944.01        4.00823  (20082410)                259730.34
4021964.01         3.98316  (20082410)
        259730.34   4021984.01        3.90176  (20082410)                259730.34
4022004.01         3.75532  (20082410)
        259730.34   4022024.01        3.94844  (20021010)                259750.34
4021844.01         3.65527  (18030510)
        259750.34   4021864.01        3.77113  (20082410)                259750.34
4021884.01         3.94292  (20082410)
        259750.34   4021904.01        4.10284  (20082410)                259750.34
4021924.01         4.24352  (20082410)
        259750.34   4021944.01        4.35597  (20082410)                259750.34
4021964.01         4.42952  (20082410)
        259750.34   4021984.01        4.45198  (20082410)                259750.34
4022004.01         4.41009  (20082410)
        259750.34   4022024.01        4.29036  (20082410)                259770.34
4021844.01         3.81885  (18030510)
        259770.34   4021864.01        3.96398  (18030510)                259770.34
4021884.01         4.10411  (18030510)
        259770.34   4021904.01        4.23551  (18030510)                259770.34
4021924.01         4.35341  (18030510)
        259770.34   4021944.01        4.54709  (20082410)                259770.34
4021964.01         4.72432  (20082410)
        259770.34   4021984.01        4.86444  (20082410)                259770.34
4022004.01         4.95198  (20082410)
        259770.34   4022024.01        4.96890  (20082410)                259790.34
4021844.01         3.89500  (18030510)
        259790.34   4021864.01        4.07855  (18030510)                259790.34
4021884.01         4.26426  (18030510)
        259790.34   4021904.01        4.44939  (18030510)                259790.34
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4021924.01        4.63022  (18030510)
        259790.34   4021944.01        4.80169  (18030510)                259790.34
4021964.01        4.95711  (18030510)
        259790.34   4021984.01        5.08771  (18030510)                259790.34
4022004.01        5.29004  (20082410)
        259790.34   4022024.01        5.46356  (20082410)                259810.34
4021844.01        3.87265  (18030510)
        259810.34   4021864.01        4.08550  (18030510)                259810.34
4021884.01        4.30719  (18030510)
        259810.34   4021904.01        4.53751  (18030510)                259810.34
4021924.01        4.77322  (18030510)
        259810.34   4021944.01        5.01090  (18030510)                259810.34
4021964.01        5.24604  (18030510)
        259810.34   4021984.01        5.47176  (18030510)                259810.34
4022004.01        5.67790  (18030510)
        259810.34   4022024.01        5.85175  (18030510)                259830.34
4021844.01        3.74803  (18030510)
        259830.34   4021864.01        3.97758  (18030510)                259830.34
4021884.01        4.22200  (18030510)
        259830.34   4021904.01        4.48227  (18030510)                259830.34
4021924.01        4.75762  (18030510)
        259830.34   4021944.01        5.04664  (18030510)                259830.34
4021964.01        5.34487  (18030510)
        259830.34   4021984.01        5.65065  (18030510)                259830.34
4022004.01        5.95914  (18030510)
        259830.34   4022024.01        6.25827  (18030510)                259850.34
4021844.01        3.68942  (22112110)
        259850.34   4021864.01        3.82777  (18040910)                259850.34
4021884.01        4.01084  (18030510)
        259850.34   4021904.01        4.28229  (18030510)                259850.34
4021924.01        4.57487  (18030510)
        259850.34   4021944.01        4.88982  (18030510)                259850.34
4021964.01        5.22580  (18030510)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                  INCLUDING SOURCE(S):     GEN         ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	5.58478	(18030510)	259850.34	4022004.01	5.96659	(18030510)
259850.34	4022024.01	6.36295	(18030510)	259870.34	4021844.01	3.77249	(22112110)
259870.34	4021864.01	3.88352	(18040910)	259870.34	4021884.01	4.06631	(18040910)
259870.34	4021904.01	4.26577	(18040910)	259870.34	4021924.01	4.48172	(18040910)
259870.34	4021944.01	4.71485	(18040910)	259870.34	4021964.01	4.96256	(18040910)
259870.34	4021984.01	5.27388	(18030510)	259870.34	4022004.01	5.67928	(18030510)
259870.34	4022024.01	6.11811	(18030510)	259890.34	4021844.01	3.77182	(22112110)
259890.34	4021864.01	3.82421	(18040910)	259890.34	4021884.01	4.01812	(18040910)
259890.34	4021904.01	4.23257	(18040910)	259890.34	4021924.01	4.46721	(18040910)
259890.34	4021944.01	4.72121	(18040910)	259890.34	4021964.01	4.99718	(18040910)
259890.34	4021984.01	5.29615	(18040910)	259890.34	4022004.01	5.61896	(18040910)
259890.34	4022024.01	5.96682	(18040910)	259910.34	4021844.01	3.98065	(21031510)
259910.34	4021864.01	4.15755	(21031510)	259910.34	4021884.01	4.34182	(21031510)
259910.34	4021904.01	4.53682	(21031510)	259910.34	4021924.01	4.73675	(21031510)
259910.34	4021944.01	4.94241	(21031510)	259910.34	4021964.01	5.20511	(18032610)
259910.34	4021984.01	5.51112	(18032610)	259910.34	4022004.01	5.84214	(18032610)
259910.34	4022024.01	6.19716	(18032610)	259930.34	4021844.01	4.35040	(21031510)
259930.34	4021864.01	4.55860	(21031510)	259930.34	4021884.01	4.77832	(21031510)
259930.34	4021904.01	5.00969	(21031510)	259930.34	4021924.01	5.25265	(21031510)
259930.34	4021944.01	5.50678	(21031510)	259950.34	4021844.01	5.23375	(20020310)
259950.34	4021864.01	5.60350	(20020310)	259950.34	4021884.01	6.00804	(20020310)
259950.34	4021904.01	6.45109	(20020310)	259950.34	4021924.01	6.93667	(20020310)
259950.34	4021944.01	7.46902	(20020310)	259970.34			

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4021844.01        6.43739  (20020310)
        259970.34   4021864.01        6.88701  (20020310)                259970.34
4021884.01        7.37556  (20020310)
        259970.34   4021904.01        7.90599  (20020310)                259970.34
4021924.01        8.48093  (20020310)
        259970.34   4021944.01        9.10241  (20020310)                259990.34
4021844.01        7.27282  (20020310)
        259990.34   4021864.01        7.73019  (20020310)                259990.34
4021884.01        8.21553  (20020310)
        259990.34   4021904.01        8.72696  (20020310)                259990.34
4021924.01        9.26314  (20020310)
        259990.34   4021944.01        9.81776  (20020310)                260122.80
4022046.18       15.01744  (18060410)
        260142.80   4022066.18       14.93500  (18110510)                260142.80
4022086.18       17.29450  (18110510)
        260142.80   4022106.18       18.20296  (18110510)                260142.80
4022126.18       19.20109  (18080610)
        260142.80   4022146.18       20.63481  (18080610)                260142.80
4022166.18       23.18536  (19122310)
        260162.80   4022066.18       15.30128  (18110510)                260162.80
4022086.18       16.15510  (18110510)
        260162.80   4022106.18       16.68523  (18080610)                260162.80
4022126.18       17.95076  (18080610)
        260162.80   4022146.18       18.70906  (19122310)                260162.80
4022166.18       22.74413  (19122310)
        260182.80   4022066.18       14.22723  (18110510)                260182.80
4022086.18       14.52541  (18080610)
        260182.80   4022106.18       15.82444  (18080610)                260182.80
4022126.18       15.90177  (18080610)
        260182.80   4022146.18       19.05554  (19122310)                260182.80
4022166.18       20.31951  (19122310)
        260202.80   4022066.18       12.44671  (18080610)                260202.80
4022086.18       13.85346  (18080610)
        260202.80   4022106.18       14.19319  (18080610)                260202.80
4022126.18       15.94698  (19122310)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  GEN      ***
                                  INCLUDING SOURCE(S):     GEN         ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	18.00447	(19122310)	260202.80	4022166.18	17.51941	(19122310)
260095.45	4022187.01	28.52115	(18080610)	260095.45	4022207.01	35.16684	(19122310)
260095.45	4022227.01	33.89064	(19122310)	260095.45	4022247.01	22.48096	(19122310)
260095.45	4022267.01	16.40994	(20081010)	260115.45	4022187.01	29.37733	(19122310)
260115.45	4022207.01	31.98677	(19122310)	260115.45	4022227.01	26.63200	(19122310)
260115.45	4022247.01	15.64127	(19122310)	260115.45	4022267.01	15.22089	(20081010)
260135.45	4022187.01	27.90789	(19122310)	260135.45	4022207.01	26.58913	(19122310)
260135.45	4022227.01	19.62759	(19122310)	260135.45	4022247.01	14.60809	(20081010)
260135.45	4022267.01	13.87979	(20081010)	260155.45	4022187.01	24.40647	(19122310)
260155.45	4022207.01	20.85496	(19122310)	260155.45	4022227.01	13.77265	(19122310)
260155.45	4022247.01	13.67192	(20081010)	260155.45	4022267.01	12.62621	(21090610)
260175.45	4022187.01	20.12718	(19122310)	260175.45	4022207.01	15.74680	(19122310)
260175.45	4022227.01	12.50664	(20081010)	260175.45	4022247.01	12.62190	(20081010)
260175.45	4022267.01	11.98660	(21090610)	260195.45	4022187.01	15.93085	(19122310)
260195.45	4022207.01	11.37294	(19122310)	260195.45	4022227.01	11.83241	(20081010)
260195.45	4022247.01	11.55457	(20081010)	260195.45	4022267.01	11.31275	(21090610)
260063.43	4022072.23	19.56525	(20121410)	260063.43	4022092.23	21.38147	(20121410)
260063.43	4022112.23	22.90778	(18060410)	260083.43	4022072.23	18.08314	(20121410)
260083.43	4022092.23	20.03092	(18060410)	260083.43	4022112.23	21.36880	(18060410)
260103.43	4022072.23	17.39189	(18060410)	260103.43	4022092.23	18.04111	(18060410)
260103.43	4022112.23	19.86400	(18110510)	260243.42	4022062.81	11.10190	(18080610)
260243.42	4022082.81	11.04255	(18080610)	260243.42			

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4022102.81       13.11199  (19122310)
        260243.42   4022122.81       14.28012  (19122310)                260243.42
4022142.81       13.98028  (19122310)
        260243.42   4022162.81       12.14773  (19122310)                260243.42
4022182.81        9.00385  (19122310)
        260243.42   4022202.81        9.80960  (20081010)                260243.42
4022222.81       10.01653  (20081010)
        260243.42   4022242.81        9.41315  (20081010)                260243.42
4022262.81        9.76729  (21090610)
        260243.42   4022282.81        9.26683  (21090610)                260243.42
4022302.81        7.95808  (21090610)
        260243.42   4022322.81        6.15949  (21090610)                260243.42
4022342.81        5.58581  (21083010)
        260243.42   4022362.81        5.52871  (20021710)                260243.42
4022382.81        6.83427  (20021710)
        260243.42   4022402.81        7.73836  (20021710)                260243.42
4022422.81        8.08445  (20021710)
        260263.42   4022362.81        4.97957  (20021710)                260263.42
4022382.81        6.20639  (20021710)
        260263.42   4022402.81        7.13157  (20021710)                260263.42
4022422.81        7.60423  (20021710)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
                                   INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                  L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                  L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259429.52               259488.16              259546.80
      259605.44               259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 4022693.1 |     31.39218 (18012217)     32.68193 (18012217)     33.63049 (21012117)
    35.18556 (19011217)     36.86817 (20010206)
 4022649.6 |     34.23683 (21010417)     36.33313 (22021218)     38.42348 (18012217)
    39.50982 (19011217)     40.59369 (19011217)
 4022606.1 |     37.55945 (22120404)     41.87318 (22120319)     44.64459 (21010417)
    48.01907 (18012217)     49.05633 (19011217)
 4022562.6 |     40.75273 (19011923)     51.00563 (19011120)     58.20635 (22120321)
    65.76408 (18012117)     71.36690 (19120707)
 4022519.1 |     43.46723 (19120520)     63.04796 (22011519)    146.57547 (21120509)
   170.73445 (21120509)    141.88915 (19122809)
 4022475.5 |     38.41271 (19121222)     46.24180 (19120621)     48.54379 (22021808)
    46.74411 (19120608)     48.85416 (19120608)
 4022432.0 |     29.16730 (22021808)     29.69908 (22021808)     30.49454 (22021808)
    33.24534 (22021808)     37.33122 (22021808)
 4022388.5 |     23.54915 (22021808)     24.63976 (22021808)     26.55626 (22021808)
    29.24217 (21021908)     32.33557 (19022619)
 4022345.0 |     21.77080 (19010723)     23.35773 (19010723)     25.53863 (22010507)
    28.90741 (18010817)     33.48489 (18012117)
 4022301.5 |     22.39920 (19010723)     23.41666 (19010723)     24.97972 (19010723)
    27.48389 (19010723)     31.68784 (19010723)
 4022257.9 |     24.28176 (19010723)     24.74767 (19010723)     25.39966 (19010723)
    26.36316 (19010723)     28.26636 (18012417)
 4022214.4 |     27.88418 (19010723)     28.17758 (19010723)     28.55688 (19010723)
    29.11650 (18012117)     30.07841 (18012117)
 4022170.9 |     34.26635 (18012417)     34.29846 (18012417)     34.41439 (18012417)
    34.65389 (18012417)     35.22562 (19010723)
 4022127.4 |     46.73100 (18012417)     46.43838 (18012417)     46.26238 (18012417)
    46.23260 (18012417)     46.40726 (18012417)
 4022083.9 |     83.73016 (18012417)     81.05259 (18012417)     78.70990 (18012417)
    76.75415 (18012417)     74.73475 (18012417)
 4022040.3 |    116.73271 (21012917)    122.45096 (21012917)    121.13753 (21012917)
   130.85524 (21012917)    142.04480 (21012917)
 4021996.8 |     51.28775 (19121222)     52.63074 (19121222)     54.16739 (19121222)
    55.91028 (19121222)     57.87295 (19121222)
 4021953.3 |     36.85271 (22011802)     38.07991 (19012804)     39.98311 (19020608)
    41.82791 (19012822)     43.92586 (19121403)
 4021909.8 |     31.52991 (22010517)     32.75455 (19020608)     34.03948 (22120802)
    35.90609 (22120403)     37.70333 (19010924)
 4021866.3 |     28.11885 (19020608)     29.11009 (22120802)     30.55510 (22120403)
    32.00545 (19011001)     33.64636 (19010924)
 4021822.7 |     25.58419 (19020724)     26.69392 (19012705)     28.17273 (22120403)
    29.31197 (19010924)     30.51692 (22120119)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       17:33:02

                                    PAGE  89
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
                                  INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                  L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                  L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259722.72               259781.36              259840.00
      259898.64              259957.28
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |     38.32376 (20122601)     39.37714 (20022719)     40.22008 (20022518)
    43.10731 (21022108)     47.75282 (18020908)
 4022649.6 |     43.02812 (18012307)     44.08134 (20022719)     44.05736 (20012201)
    46.63884 (21022108)     52.85623 (18020908)
 4022606.1 |     50.46276 (20010206)     50.69124 (20021518)     49.70280 (20012024)
    51.32818 (21022108)     58.91158 (18020908)
 4022562.6 |     70.39883 (22012617)     64.53566 (20010206)     60.51464 (18020520)
    58.66277 (21022108)     65.37479 (18020908)
 4022519.1 |    147.93915 (21120509)    139.48479 (21022208)     86.85408 (21111108)
    71.24530 (21010517)     73.79287 (21022108)
 4022475.5 |     55.84575 (19120608)     70.90213 (21012917)    111.25513 (21011009)
   176.03364 (20022408)    128.93050 (21010309)
 4022432.0 |     42.64958 (22021808)     49.07467 (22021808)     56.63107 (22010518)
    66.45607 (19010821)     74.76775 (22120502)
 4022388.5 |     36.65983 (22012617)     40.00935 (22012617)     45.15853 (20010206)
    51.97517 (18020520)     64.35703 (21022108)
 4022345.0 |     38.87642 (21021908)     45.05122 (21011617)     49.93436 (22012617)
    57.86387 (20021518)     71.33892 (21022108)
 4022301.5 |     38.95778 (19010723)     51.16848 (22120321)     65.07454 (19021208)
    75.02196 (22012617)     86.90428 (21010517)
 4022257.9 |     33.85396 (21012917)     48.33257 (21012917)     97.97419 (21012917)
   129.48313 (21012917)    134.16917 (21010309)
 4022214.4 |     32.59956 (22021808)     43.88561 (22021808)     62.36931 (19012822)
    67.69583 (19012817)     78.92638 (22021108)
 4022170.9 |     36.25604 (18022008)     39.49486 (19012824)     50.32843 (19121403)
```

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   55.19167 (19121317)     63.03484 (19120206)
 4022127.4 |     46.91684 (18012417)     47.95830 (18012417)     49.93145 (18012417)
   53.68505 (18012417)     64.57566 (20063006)
 4022083.9 |     74.11099 (18012417)     73.75419 (18012417)     74.41142 (18012417)
   76.94932 (18012417)     85.15455 (18012417)
 4022040.3 |    150.06405 (21010309)    150.48797 (21010309)    147.71928 (21012917)
  157.42087 (21012917)    172.47014 (19122809)
 4021996.8 |     60.32865 (19012817)     62.95455 (19121222)     66.52419 (19121222)
   72.42526 (19120608)     84.06362 (19120608)
 4021953.3 |     46.40353 (19010924)     49.06329 (19121317)     51.70598 (22021108)
   55.83182 (19120206)     68.53333 (19020801)
 4021909.8 |     39.37028 (22120119)     42.13988 (22021108)     44.02892 (19011802)
   49.05049 (19012902)     62.62710 (19021222)
 4021866.3 |     35.20916 (19121317)     37.79984 (22021108)     39.47976 (22010604)
   45.04254 (19012902)     59.31057 (19121719)
 4021822.7 |     32.39922 (19121317)     34.37665 (22021108)     36.55079 (22010604)
   42.27299 (19012902)     57.20012 (19121719)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
                                   INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                  L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                  L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       260015.92               260074.56              260133.20
      260191.84              260250.48
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |     54.24872 (20012117)     59.65663 (18013019)     60.60922 (21010324)
   61.70746 (18013018)     66.97688 (22011217)
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 4022649.6 |     61.48207 (20012117)     70.03081 (20120517)     74.39826 (21021708)
    88.56806 (22021908)    103.25703 (22022722)
 4022606.1 |     69.76530 (20012117)     85.85451 (20011017)    104.86862 (19120223)
   144.25509 (22040107)     78.30882 (20022408)
 4022562.6 |     82.01102 (20012117)    120.22845 (20011017)    124.03129 (22040107)
    58.05755 (22012217)     42.51281 (19121318)
 4022519.1 |    101.14573 (20012117)    160.91910 (22021908)     63.15392 (22012217)
    46.46110 (22012708)     38.62318 (18020523)
 4022475.5 |    152.69556 (21102017)    122.12079 (20021808)     67.05157 (21011602)
    51.04895 (22012117)     41.22192 (22012117)
 4022432.0 |    123.39547 (21102017)    126.09015 (20022408)     72.11627 (18121221)
    53.48870 (21021921)     42.60329 (20022420)
 4022388.5 |    109.05574 (20012117)     75.71152 (22012017)     59.97290 (20022408)
    52.14304 (20022408)     41.43141 (20022408)
 4022345.0 |    114.22932 (20012117)     78.70793 (22040107)     56.06785 (19012317)
    43.63506 (21011717)     37.73559 (20022408)
 4022301.5 |    122.78277 (20012117)     87.35204 (22012217)     58.87256 (22012217)
    43.68158 (22012217)     35.31839 (19010317)
 4022257.9 |    128.15800 (21010309)     85.25454 (22120508)     49.85066 (22012117)
    37.17538 (19121318)     32.40995 (22012217)
 4022214.4 |    118.48106 (20012117)     76.84098 (20022408)     51.67130 (20022408)
    37.99613 (22012217)     34.23746 (22012217)
 4022170.9 |    122.58856 (20012117)     73.71825 (18021908)     49.28642 (22012217)
    42.46256 (22012217)     38.64825 (22012217)
 4022127.4 |    130.17931 (20012117)     75.84393 (21021708)     56.90109 (22012217)
    49.99066 (22012217)     46.02049 (22012217)
 4022083.9 |    145.05733 (20012117)     92.23789 (22012217)     74.57210 (19121318)
    67.42738 (19121318)     62.99793 (22120504)
 4022040.3 |    136.64124 (22120508)    182.74564 (21011602)    159.95065 (21011602)
   145.22811 (21011602)    133.20839 (21011602)
 4021996.8 |    159.29217 (21032907)    104.68678 (20022408)     90.11422 (20022408)
    85.94305 (20022408)     85.11369 (20022408)
 4021953.3 |    138.54147 (22121402)     86.11552 (22021818)     65.93547 (19121323)
    58.08758 (22032607)     56.66282 (18021908)
 4021909.8 |    134.08371 (22121402)     78.45567 (19011123)     58.65294 (19042421)
    49.88300 (20022624)     46.65547 (18021908)
 4021866.3 |    131.25344 (22121402)     73.91667 (19011123)     54.29563 (19042421)
    45.65822 (19122302)     41.27251 (21021023)
 4021822.7 |    129.78645 (22121402)     70.69281 (21021308)     50.89826 (19042421)
    42.69384 (19122302)     38.25118 (20022624)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
```

INCLUDING SOURCE(S): L0000448 , L0000449
, L0000450 , L0000451 , L0000452 ,
L0000453 , L0000454 , L0000455 , L0000456 , L0000457
, L0000458 , L0000459 , L0000460 ,
L0000461 , L0000462 , L0000463 , L0000464 , L0000465
, L0000466 , L0000467 , L0000468 ,
L0000469 , L0000470 , L0000471 , L0000472 , L0000473
, L0000474 , L0000475 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE:
GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)			
	260309.12	260367.76	260426.40	260485.04
260543.68				
4022693.1	64.58194 (22021219)	51.51621 (19010820)	40.14983 (19012317)	31.83860 (19042806)
27.13620 (18010717)				
4022649.6	85.26791 (19012317)	49.80335 (18010717)	36.88734 (19010317)	29.93237 (19010317)
25.33667 (19010317)				
4022606.1	48.85074 (19121808)	37.08275 (19120317)	30.69500 (19120317)	26.47736 (19120317)
23.36095 (19120317)				
4022562.6	34.43666 (21010219)	29.87636 (19121808)	26.57268 (19121808)	23.89868 (19122422)
21.87551 (19121406)				
4022519.1	33.18479 (22032621)	29.07086 (22032621)	25.78708 (22032621)	23.13630 (22032621)
21.03939 (18012918)				
4022475.5	34.55081 (22012117)	29.74941 (22012117)	26.16884 (22012117)	23.35984 (22012117)
21.17209 (22012117)				
4022432.0	35.29357 (18020919)	29.98203 (18020919)	26.12181 (20042901)	23.27982 (18020518)
21.27311 (18010717)				
4022388.5	34.12843 (21021002)	29.46139 (18121221)	26.03555 (21021921)	23.28729 (21021921)
21.52827 (19011018)				
4022345.0	34.55722 (20022408)	30.01232 (20022408)	25.40650 (19010317)	23.48410 (19010317)
22.01600 (19010317)				
4022301.5	31.08245 (21011717)	27.85091 (20022408)	26.21980 (20022408)	23.87328 (20022408)
22.56242 (19010317)				
4022257.9	29.51870 (22012217)	27.52912 (22012217)	26.06190 (22012217)	24.91588 (22012217)
24.05606 (19010317)				
4022214.4	31.80280 (22012217)	30.04358 (22012217)	28.68075 (22012217)	27.58605 (22012217)
26.72858 (19010317)				
4022170.9	36.12210 (22012217)	34.28410 (22012217)	32.84185 (22012217)	31.69000 (22040620)
30.88081 (22040620)				
4022127.4	43.32235 (22012217)	41.47115 (22040620)	40.07566 (22040620)	38.88912 (22040620)
37.87368 (22040620)				
4022083.9	59.88125 (22120504)	57.41659 (22120504)	55.32718 (21010219)	

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    53.67996 (21010219)     52.15951 (21010219)
 4022040.3 |    136.98244 (22040124)    126.49774 (18020523)    123.21135 (22040124)
   114.84587 (18020523)    107.64482 (18020523)
 4021996.8 |     86.26814 (18020818)     88.36935 (18020818)     91.12185 (18020818)
    94.49430 (18020818)     98.48982 (18020818)
 4021953.3 |     53.88630 (18021908)     52.75209 (18022108)     51.07677 (18022108)
    51.20710 (20022408)     51.59878 (20022408)
 4021909.8 |     45.38333 (18021908)     42.86068 (18022108)     41.86621 (18022108)
    40.31064 (18022108)     39.22431 (18020421)
 4021866.3 |     39.65289 (18021908)     38.32938 (18021908)     36.26380 (18022108)
    35.39100 (18022108)     34.09094 (18022108)
 4021822.7 |     35.69096 (20121118)     34.67233 (18021908)     33.34829 (18021908)
    31.68162 (18022108)     30.92972 (18022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***       17:33:02

                                     PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
                                     INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                  L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                  L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                  L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |     23.48866 (18010717)
 4022649.6 |     22.29750 (22040620)
 4022606.1 |     20.93514 (19020105)
 4022562.6 |     20.06590 (19121406)
 4022519.1 |     19.32246 (18012918)
 4022475.5 |     19.52453 (19042806)
 4022432.0 |     20.00341 (18010717)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE ***
                                  INCLUDING SOURCE(S):   L0000448   , L0000449
, L0000450   , L0000451   , L0000452   ,
                  L0000453   , L0000454   , L0000455   , L0000456   , L0000457
, L0000458   , L0000459   , L0000460   ,
                  L0000461   , L0000462   , L0000463   , L0000464   , L0000465
, L0000466   , L0000467   , L0000468   ,
                  L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259632.90   4022073.46   94.10719 (18012417)   259632.90
4022093.46   65.52328 (18012417)
        259632.90   4022113.46   52.23286 (18012417)   259632.90
4022133.46   44.16405 (18012417)
        259632.90   4022153.46   38.56114 (18012417)   259632.90
4022173.46   34.45779 (19010723)
        259632.90   4022193.46   31.66813 (19010723)   259632.90

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4022213.46       29.61704  (18012117)
        259632.90   4022233.46       28.09107  (18012117)                259652.90
4022073.46       91.98819  (18012417)
        259652.90   4022093.46       65.16357  (18012417)                259652.90
4022113.46       52.22180  (18012417)
        259652.90   4022133.46       44.25592  (18012417)                259652.90
4022153.46       38.70244  (18012417)
        259652.90   4022173.46       34.68500  (19010723)                259652.90
4022193.46       31.90459  (19010723)
        259652.90   4022213.46       29.95697  (18012117)                259652.90
4022233.46       28.45222  (18012117)
        259672.90   4022073.46       90.71764  (18012417)                259672.90
4022093.46       64.93956  (18012417)
        259672.90   4022113.46       52.25760  (18012417)                259672.90
4022133.46       44.39472  (18012417)
        259672.90   4022153.46       38.88186  (18012417)                259672.90
4022173.46       34.94371  (19010723)
        259672.90   4022193.46       32.22699  (18012117)                259672.90
4022213.46       30.33047  (18012117)
        259672.90   4022233.46       28.84906  (18012117)                259692.90
4022073.46       90.50229  (18012417)
        259692.90   4022093.46       64.85726  (18012417)                259692.90
4022113.46       52.33480  (18012417)
        259692.90   4022133.46       44.56780  (18012417)                259692.90
4022153.46       39.09811  (18012417)
        259692.90   4022173.46       35.24509  (18022008)                259692.90
4022193.46       32.62693  (18012117)
        259692.90   4022213.46       30.74702  (18012117)                259692.90
4022233.46       29.29200  (18012117)
        259712.90   4022073.46       90.11170  (18012417)                259712.90
4022093.46       64.81565  (18012417)
        259712.90   4022113.46       52.45848  (18012417)                259712.90
4022133.46       44.77792  (18012417)
        259712.90   4022153.46       39.35418  (18012417)                259712.90
4022173.46       35.65094  (18022008)
        259712.90   4022193.46       33.07785  (18012117)                259712.90
4022213.46       31.21776  (18012117)
        259712.90   4022233.46       30.91123  (19121222)                259732.90
4022073.46       89.38853  (18012417)
        259732.90   4022093.46       64.79781  (18012417)                259732.90
4022113.46       52.63642  (18012417)
        259732.90   4022133.46       45.03222  (18012417)                259732.90
4022153.46       39.65569  (18012417)
        259732.90   4022173.46       36.11522  (18022008)                259732.90
4022193.46       33.59526  (18012117)
        259732.90   4022213.46       34.56644  (22021808)                259732.90
4022233.46       34.11973  (19121222)
        259752.90   4022073.46       88.79620  (18012417)                259752.90
4022093.46       64.84269  (18012417)
        259772.90   4022073.46       88.26792  (18012417)                259772.90
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4022093.46   64.96426 (18012417)
        259792.90   4022073.46   87.89100 (18012417)   259792.90
4022093.46   65.18787 (18012417)
        259812.90   4022073.46   87.64869 (18012417)   259812.90
4022093.46   65.53737 (18012417)
        259832.90   4022073.46   87.56730 (18012417)   259832.90
4022093.46   66.02180 (18012417)
        259920.63   4022125.03   56.82360 (18012417)   259920.63
4022145.03   54.08362 (22021108)
        259920.63   4022165.03   57.28356 (22021108)   259940.63
4022105.03   67.82171 (18012417)
        259940.63   4022125.03   59.97119 (18022008)   259940.63
4022145.03   56.50797 (21111108)
        259940.63   4022165.03   59.39588 (22021108)   259960.63
4022105.03   72.27239 (18012417)
        259960.63   4022125.03   66.51480 (20063006)   259960.63
4022145.03   63.49366 (20063006)
        259960.63   4022165.03   63.13328 (22022108)   259980.63
4022105.03   83.74247 (20063006)
        259980.63   4022125.03   78.93963 (21010517)   259980.63
4022145.03   75.79957 (21010517)
        259980.63   4022165.03   73.69615 (21010517)   260000.63
4022105.03   111.88679 (21022108)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE ***
                                    INCLUDING SOURCE(S):   L0000448   , L0000449
, L0000450   , L0000451   , L0000452   ,
                 L0000453   , L0000454   , L0000455   , L0000456   , L0000457
, L0000458   , L0000459   , L0000460   ,
                 L0000461   , L0000462   , L0000463   , L0000464   , L0000465
, L0000466   , L0000467   , L0000468   ,
                 L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

- -
- -
260000.63 4022125.03 106.88176 (21022108) 260000.63
4022145.03 103.36253 (21022108)
260000.63 4022165.03 100.65972 (21022108) 259550.34
4021844.01 29.44018 (22120403)
259550.34 4021864.01 30.56342 (22120403) 259550.34
4021884.01 31.84599 (19012705)
259550.34 4021904.01 33.61615 (19012705) 259550.34
4021924.01 35.65016 (22120802)
259550.34 4021944.01 38.49924 (19020608) 259550.34
4021964.01 42.12843 (19020608)
259550.34 4021984.01 47.71839 (19121222) 259550.34
4022004.01 59.03513 (19121222)
259550.34 4022024.01 82.33171 (22020608) 259570.34
4021844.01 29.76822 (22120403)
259570.34 4021864.01 31.12343 (22120403) 259570.34
4021884.01 32.47491 (22120403)
259570.34 4021904.01 34.08346 (19012705) 259570.34
4021924.01 36.29173 (19012705)
259570.34 4021944.01 38.93183 (22120802) 259570.34
4021964.01 42.75889 (19020608)
259570.34 4021984.01 48.17547 (19121222) 259570.34
4022004.01 59.70980 (19121222)
259570.34 4022024.01 83.71159 (22020608) 259590.34
4021844.01 30.15243 (19011001)
259590.34 4021864.01 31.48903 (22120403) 259590.34
4021884.01 33.11452 (22120403)
259590.34 4021904.01 34.80240 (22120403) 259590.34
4021924.01 36.85571 (19012705)
259590.34 4021944.01 39.69592 (19012822) 259590.34
4021964.01 43.20530 (19012822)
259590.34 4021984.01 48.66406 (19121222) 259590.34
4022004.01 60.40797 (19121222)
259590.34 4022024.01 85.12936 (22020608) 259610.34
4021844.01 30.60153 (19121403)
259610.34 4021864.01 31.96917 (19121403) 259610.34
4021884.01 33.48871 (22120403)
259610.34 4021904.01 35.47303 (22120403) 259610.34
4021924.01 37.59561 (22120403)
259610.34 4021944.01 40.31058 (19012822) 259610.34
4021964.01 44.16231 (19012822)
259610.34 4021984.01 49.28058 (19012822) 259610.34
4022004.01 61.13044 (19121222)
259610.34 4022024.01 86.59958 (22020608) 259630.34
4021844.01 31.26225 (19010924)
259630.34 4021864.01 32.52533 (19010924) 259630.34
4021884.01 34.14452 (19121403)
259630.34 4021904.01 35.91528 (19121403) 259630.34
4021924.01 38.26509 (22120403)

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        259630.34   4021944.01       41.00536  (22120403)                259630.34
4021964.01       44.86179  (19012822)
        259630.34   4021984.01       50.40161  (19012822)                259630.34
4022004.01       61.87753  (19121222)
        259630.34   4022024.01       88.13258  (22020608)                259650.34
4021844.01       31.66420  (19010924)
        259650.34   4021864.01       33.18921  (19010924)                259650.34
4021884.01       34.76989  (19010924)
        259650.34   4021904.01       36.67036  (19121403)                259650.34
4021924.01       38.95350  (19121403)
        259650.34   4021944.01       41.70015  (22120403)                259650.34
4021964.01       45.37305  (22120403)
        259650.34   4021984.01       51.22921  (19012822)                259650.34
4022004.01       62.66150  (19121222)
        259650.34   4022024.01       89.74626  (22020608)                259670.34
4021844.01       32.07273  (22120119)
        259670.34   4021864.01       33.52657  (19010924)                259670.34
4021884.01       35.38542  (19010924)
        259670.34   4021904.01       37.38072  (19010924)                259670.34
4021924.01       39.69402  (19121403)
        259670.34   4021944.01       42.70764  (19121403)                259670.34
4021964.01       46.37081  (19121403)
        259670.34   4021984.01       51.74297  (19012817)                259670.34
4022004.01       63.48287  (19121222)
        259670.34   4022024.01       91.43666  (22020608)                259690.34
4021844.01       32.45649  (19120324)
        259690.34   4021864.01       34.02213  (22120119)                259690.34
4021884.01       35.80012  (22120119)
        259690.34   4021904.01       37.92775  (19010924)                259690.34
4021924.01       40.47455  (19010924)
        259690.34   4021944.01       43.42186  (19121403)                259690.34
4021964.01       47.54357  (19121403)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                   PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITE  ***
                                   INCLUDING SOURCE(S):     L0000448    , L0000449
, L0000450    , L0000451    , L0000452    ,
                L0000453    , L0000454    , L0000455    , L0000456    , L0000457
, L0000458    , L0000459    , L0000460    ,
                L0000461    , L0000462    , L0000463    , L0000464    , L0000465
, L0000466    , L0000467    , L0000468    ,
                L0000469    , L0000470    , L0000471    , L0000472    , L0000473
, L0000474    , L0000475    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	52.98257	(19121403)	259690.34	4022004.01	64.34776	(19121222)
259690.34	4022024.01	93.25202	(22020608)	259710.34	4021844.01	33.15074	(19120324)
259710.34	4021864.01	34.55922	(19120324)	259710.34	4021884.01	36.19752	(22120119)
259710.34	4021904.01	38.41647	(22120119)	259710.34	4021924.01	40.92435	(19010924)
259710.34	4021944.01	44.25088	(19010924)	259710.34	4021964.01	48.29325	(19010924)
259710.34	4021984.01	54.20178	(19121403)	259710.34	4022004.01	65.26309	(19121222)
259710.34	4022024.01	95.12370	(22020608)	259730.34	4021844.01	34.02929	(19121317)
259730.34	4021864.01	35.44437	(19121317)	259730.34	4021884.01	36.97445	(19121317)
259730.34	4021904.01	38.85997	(22122421)	259730.34	4021924.01	41.48861	(22120119)
259730.34	4021944.01	44.77002	(22120119)	259730.34	4021964.01	49.06317	(19010924)
259730.34	4021984.01	54.94165	(19010924)	259730.34	4022004.01	66.23571	(19121222)
259730.34	4022024.01	97.14057	(22020608)	259750.34	4021844.01	34.89101	(22021108)
259750.34	4021864.01	36.23057	(22021108)	259750.34	4021884.01	38.00341	(19121317)
259750.34	4021904.01	39.99780	(19121317)	259750.34	4021924.01	42.29247	(19121317)
259750.34	4021944.01	45.39866	(19011323)	259750.34	4021964.01	49.73660	(19011323)
259750.34	4021984.01	55.66584	(19120117)	259750.34	4022004.01	67.27586	(19121222)
259750.34	4022024.01	99.34835	(22020608)	259770.34	4021844.01	35.66282	(22021108)
259770.34	4021864.01	37.21313	(22021108)	259770.34	4021884.01	38.92123	(22021108)
259770.34	4021904.01	40.89506	(19121317)	259770.34	4021924.01	43.49312	(19121317)
259770.34	4021944.01	46.61599	(19121317)	259770.34			

4021964.01   50.59077 (19121317)
        259770.34   4021984.01   56.70966 (19011323)   259770.34
4022004.01   68.38919 (19121222)
        259770.34   4022024.01   101.57924 (22020608)   259790.34
4021844.01   36.14997 (22021108)
        259790.34   4021864.01   37.85381 (22021108)   259790.34
4021884.01   39.75820 (22021108)
        259790.34   4021904.01   41.92255 (22021108)   259790.34
4021924.01   44.44034 (22021108)
        259790.34   4021944.01   47.66759 (19121317)   259790.34
4021964.01   52.02667 (19121317)
        259790.34   4021984.01   58.00030 (19121317)   259790.34
4022004.01   69.57889 (19121222)
        259790.34   4022024.01   104.08980 (22020608)   259810.34
4021844.01   36.51649 (19011802)
        259810.34   4021864.01   38.24293 (22021108)   259810.34
4021884.01   40.27181 (22021108)
        259810.34   4021904.01   42.61408 (22021108)   259810.34
4021924.01   45.36813 (22021108)
        259810.34   4021944.01   48.70557 (22021108)   259810.34
4021964.01   52.94753 (22021108)
        259810.34   4021984.01   59.31202 (19121317)   259810.34
4022004.01   70.86694 (19121222)
        259810.34   4022024.01   106.57043 (22020608)   259830.34
4021844.01   37.27141 (22010604)
        259830.34   4021864.01   38.81928 (19011802)   259830.34
4021884.01   40.70814 (19011802)
        259830.34   4021904.01   43.03280 (22021108)   259830.34
4021924.01   45.93033 (22021108)
        259830.34   4021944.01   49.48345 (22021108)   259830.34
4021964.01   54.00910 (22021108)
        259830.34   4021984.01   60.19056 (22021108)   259830.34
4022004.01   72.30627 (19121222)
        259830.34   4022024.01   109.52911 (22020608)   259850.34
4021844.01   38.53443 (22010604)
        259850.34   4021864.01   39.99830 (22010604)   259850.34
4021884.01   41.67713 (22010604)
        259850.34   4021904.01   43.70851 (19011802)   259850.34
4021924.01   46.43402 (19011802)
        259850.34   4021944.01   49.93853 (22021108)   259850.34
4021964.01   54.62816 (22021108)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: OFFSITE ***
                                INCLUDING SOURCE(S):   L0000448   , L0000449
, L0000450   , L0000451   , L0000452   ,
                L0000453   , L0000454   , L0000455   , L0000456   , L0000457
, L0000458   , L0000459   , L0000460   ,
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, L0000466   , L0000467   , L0000468   ,
                L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259850.34   4021984.01   61.08365 (22021108)   259850.34
4022004.01   73.90092 (19121222)
        259850.34   4022024.01   112.34732 (22020608)   259870.34
4021844.01   40.29910 (19011419)
        259870.34   4021864.01   41.65252 (19011419)   259870.34
4021884.01   43.22589 (19120206)
        259870.34   4021904.01   45.16448 (19120206)   259870.34
4021924.01   47.64706 (22010604)
        259870.34   4021944.01   50.79462 (22010604)   259870.34
4021964.01   55.28346 (19011802)
        259870.34   4021984.01   61.78573 (22021108)   259870.34
4022004.01   75.75408 (19121222)
        259870.34   4022024.01   115.97342 (22020608)   259890.34
4021844.01   42.47878 (19012902)
        259890.34   4021864.01   43.82942 (19012902)   259890.34
4021884.01   45.40634 (19012902)
        259890.34   4021904.01   47.33873 (19120206)   259890.34
4021924.01   49.81939 (19120206)
        259890.34   4021944.01   52.98226 (19120206)   259890.34
4021964.01   57.18064 (19120206)
        259890.34   4021984.01   63.18135 (19120206)   259890.34
4022004.01   78.04955 (19120608)
        259890.34   4022024.01   119.27098 (22020608)   259910.34
4021844.01   45.19821 (19012902)
        259910.34   4021864.01   46.55597 (19012902)   259910.34
4021884.01   48.15335 (19012902)
        259910.34   4021904.01   50.10274 (19012902)   259910.34
4021924.01   52.51710 (19012902)
        259910.34   4021944.01   55.61537 (19120206)   259910.34
4021964.01   59.90069 (19120206)

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        259910.34   4021984.01       66.10751  (22022108)                259910.34
4022004.01       80.90383  (19120608)
        259910.34   4022024.01      124.26781  (22020608)                259930.34
4021844.01       49.22658  (19021222)
        259930.34   4021864.01       50.37937  (19021222)                259930.34
4021884.01       51.75802  (19012902)
        259930.34   4021904.01       53.68710  (19012902)                259930.34
4021924.01       56.08135  (19012902)
        259930.34   4021944.01       59.15971  (19012902)                259950.34
4021844.01       55.26000  (19121719)
        259950.34   4021864.01       56.34073  (19121719)                259950.34
4021884.01       57.69052  (19021222)
        259950.34   4021904.01       59.36612  (19021222)                259950.34
4021924.01       61.44457  (19021222)
        259950.34   4021944.01       64.19858  (22022108)                259970.34
4021844.01       65.90493  (22011722)
        259970.34   4021864.01       66.82839  (22011722)                259970.34
4021884.01       67.99553  (22011722)
        259970.34   4021904.01       69.53060  (22011722)                259970.34
4021924.01       71.46357  (22011722)
        259970.34   4021944.01       74.05487  (22011722)                259990.34
4021844.01       87.79403  (22011722)
        259990.34   4021864.01       88.30020  (22011722)                259990.34
4021884.01       89.12442  (22011722)
        259990.34   4021904.01       90.53679  (22011722)                259990.34
4021924.01       92.17723  (22011722)
        259990.34   4021944.01       94.42309  (22011722)                260122.80
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        260142.80   4022066.18       90.78597  (22012708)                260142.80
4022086.18       71.48897  (19121318)
        260142.80   4022106.18       61.72433  (22012217)                260142.80
4022126.18       55.70090  (22012217)
        260142.80   4022146.18       51.52892  (22012217)                260142.80
4022166.18       48.42659  (22012217)
        260162.80   4022066.18       87.80306  (21010219)                260162.80
4022086.18       68.88850  (19121318)
        260162.80   4022106.18       59.10043  (22012217)                260162.80
4022126.18       53.13001  (22012217)
        260162.80   4022146.18       48.97703  (22012217)                260162.80
4022166.18       45.87980  (22012217)
        260182.80   4022066.18       85.32584  (21010219)                260182.80
4022086.18       66.76018  (19121318)
        260182.80   4022106.18       56.99012  (22012217)                260182.80
4022126.18       51.08324  (22012217)
        260182.80   4022146.18       46.95584  (22012217)                260182.80
4022166.18       43.86740  (22012217)
        260202.80   4022066.18       83.19428  (21010219)                260202.80
4022086.18       64.95594  (19121318)
        260202.80   4022106.18       55.22383  (22012217)                260202.80
4022126.18       49.38358  (22012217)
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITE ***
                                   INCLUDING SOURCE(S):   L0000448   , L0000449
, L0000450   , L0000451   , L0000452   ,
                  L0000453   , L0000454   , L0000455   , L0000456   , L0000457
, L0000458   , L0000459   , L0000460   ,
                  L0000461   , L0000462   , L0000463   , L0000464   , L0000465
, L0000466   , L0000467   , L0000468   ,
                  L0000469   , L0000470   , L0000471   , L0000472   , L0000473
, L0000474   , L0000475   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        260202.80   4022146.18   45.29095 (22012217)   260202.80
4022166.18   42.22178 (22012217)
        260095.45   4022187.01   60.93043 (18022108)   260095.45
4022207.01   63.15336 (20022408)
        260095.45   4022227.01   68.54212 (20022408)   260095.45
4022247.01   67.78557 (21010309)
        260095.45   4022267.01   67.98962 (22012708)   260115.45
4022187.01   52.23079 (22092507)
        260115.45   4022207.01   56.63234 (20022408)   260115.45
4022227.01   57.23683 (20022408)
        260115.45   4022247.01   56.87378 (21010309)   260115.45
4022267.01   57.56196 (22012708)
        260135.45   4022187.01   47.02030 (22012217)   260135.45
4022207.01   50.82408 (20022408)
        260135.45   4022227.01   48.52810 (20022408)   260135.45
4022247.01   49.01550 (21010309)
        260135.45   4022267.01   50.32339 (21010219)   260155.45
4022187.01   44.21434 (22012217)
        260155.45   4022207.01   45.53320 (20022408)   260155.45
4022227.01   42.81884 (18020818)
        260155.45   4022247.01   43.46827 (22120508)   260155.45

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4022267.01       45.06270  (19121318)
        260175.45   4022187.01       42.03080  (22012217)                260175.45
4022207.01       40.84521  (20022408)
        260175.45   4022227.01       38.70023  (18020818)                260175.45
4022247.01       39.17654  (22120508)
        260175.45   4022267.01       41.16347  (19121318)                260195.45
4022187.01       40.27311  (22012217)
        260195.45   4022207.01       38.31938  (22012217)                260195.45
4022227.01       36.84880  (22012217)
        260195.45   4022247.01       36.32204  (22012217)                260195.45
4022267.01       38.10993  (19121318)
        260063.43   4022072.23      109.88301  (22012217)                260063.43
4022092.23       94.72525  (21021708)
        260063.43   4022112.23       89.56477  (21021708)                260083.43
4022072.23       98.45412  (22012217)
        260083.43   4022092.23       82.73755  (22012217)                260083.43
4022112.23       74.23044  (22012217)
        260103.43   4022072.23       91.35477  (19121318)                260103.43
4022092.23       75.89728  (22012217)
        260103.43   4022112.23       67.47221  (22012217)                260243.42
4022062.81       84.06948  (22012708)
        260243.42   4022082.81       64.16471  (22120504)                260243.42
4022102.81       53.87349  (19121318)
        260243.42   4022122.81       47.51630  (22012217)                260243.42
4022142.81       43.26706  (22012217)
        260243.42   4022162.81       40.09604  (22012217)                260243.42
4022182.81       37.60263  (22012217)
        260243.42   4022202.81       35.58197  (22012217)                260243.42
4022222.81       33.97976  (22012217)
        260243.42   4022242.81       32.96993  (22012217)                260243.42
4022262.81       32.96062  (22012217)
        260243.42   4022282.81       34.42549  (22040620)                260243.42
4022302.81       36.22273  (22012217)
        260243.42   4022322.81       37.55314  (22012217)                260243.42
4022342.81       38.07326  (20021520)
        260243.42   4022362.81       41.59470  (20022408)                260243.42
4022382.81       43.06973  (20022408)
        260243.42   4022402.81       42.24964  (21021002)                260243.42
4022422.81       43.40578  (21021921)
        260263.42   4022362.81       39.75696  (20022408)                260263.42
4022382.81       39.80737  (20022408)
        260263.42   4022402.81       39.49893  (18121221)                260263.42
4022422.81       40.53090  (21021921)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:33:02

                                  PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	259429.52	259488.16	259546.80	259605.44	259664.08
4022693.1	107.25443 (22123005)	119.16274 (19120623)	134.38142 (19011217)	148.74816 (19120624)	176.72981 (20011619)
4022649.6	114.20815 (18012217)	127.36011 (21012117)	143.16285 (18121617)	161.14236 (19011217)	182.85566 (19012417)
4022606.1	118.67474 (22020619)	136.18080 (18012217)	155.33958 (21012117)	176.92553 (22022020)	203.78778 (18120908)
4022562.6	124.23064 (19011524)	143.25943 (22011919)	166.14483 (18012217)	194.88076 (21012117)	229.05465 (19011217)
4022519.1	131.57242 (22120404)	149.77674 (22120319)	175.32557 (22011919)	208.56317 (18012217)	253.99487 (21012117)
4022475.5	134.78865 (22123002)	156.63187 (19120121)	186.71624 (22120404)	220.74685 (19011524)	273.90541 (18020808)
4022432.0	137.15321 (22021923)	160.77485 (22120104)	192.09364 (22122918)	234.10486 (19120121)	294.30288 (22120404)
4022388.5	140.82907 (19122018)	165.68228 (22011521)	198.11368 (19021306)	241.60122 (22021923)	305.75268 (22122918)
4022345.0	142.85976 (19120421)	168.35632 (19120421)	202.00031 (19120421)	247.81871 (19120421)	312.89129 (19120421)
4022301.5	145.24854 (19121322)	170.30817 (22021408)	204.24411 (22021408)	250.40087 (22011604)	316.15128 (19013121)
4022257.9	143.25420 (19120807)	168.12218 (22021024)	200.16500 (19010722)	248.63914 (19010722)	313.68805 (22021808)
4022214.4	141.99342 (19010722)	166.18739 (22021808)	196.14739 (22021401)	240.31265 (19120908)	304.41788 (22021418)
4022170.9	137.61537 (19122221)	161.14111 (19120908)	192.43902 (22021418)	228.53503 (19010721)	276.15232 (19120420)

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 4022127.4 |    133.15406 (22021418)    155.11426 (22021418)    180.25621 (19013020)
   208.60536 (19120420)    250.81773 (19122119)
 4022083.9 |    128.38114 (19010721)    145.56041 (19013020)    164.26544 (19120420)
   192.84702 (22010517)    224.88562 (19120404)
 4022040.3 |    119.11844 (19013020)    133.62716 (19120919)    155.13173 (22010517)
   174.56010 (19121302)    201.72652 (19011001)
 4021996.8 |    112.02002 (19120919)    128.15895 (22010517)    140.34305 (19022324)
   162.26662 (22120403)    180.41327 (19011418)
 4021953.3 |    108.22242 (22010517)    117.81306 (19122119)    131.11612 (19120404)
   145.24662 (19121004)    163.06799 (19120324)
 4021909.8 |    100.72178 (19122119)    109.42560 (19120404)    121.46615 (19011001)
   133.09509 (19011418)    147.60860 (22011623)
 4021866.3 |     93.80608 (19121302)    104.26855 (22120403)    111.39052 (19121004)
   122.33251 (19120324)    133.15901 (22021108)
 4021822.7 |     88.46509 (19120404)     96.13012 (19011001)    103.73971 (19011418)
   111.60239 (22011623)    117.14544 (19011802)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                  L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                  L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                  L0000115    , L0000116    , L0000117    , L0000118    , L0000119
,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       259722.72              259781.36              259840.00
      259898.64              259957.28
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    199.73290 (20022719)    216.00541 (20022518)    226.74542 (18020908)
   224.71335 (18120108)    219.50871 (20022519)
 4022649.6 |    224.73640 (21020518)    249.01485 (21121224)    269.40314 (18020908)
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  265.48473 (18120108)    253.47138 (20022519)
 4022606.1 |    254.22292 (20011619)    289.82496 (20022719)    320.45685 (18020908)
  319.91422 (18120108)    300.82842 (18020522)
 4022562.6 |    267.15730 (22011520)    343.20845 (20022719)    388.74909 (21022108)
  395.01395 (18120108)    367.23618 (18020318)
 4022519.1 |    308.51403 (19011217)    410.07173 (20120717)    487.61448 (20022518)
  504.79820 (18120108)    451.04635 (18021619)
 4022475.5 |    351.30781 (21012117)    454.74471 (18120908)    622.25915 (21122218)
  668.21000 (18091007)    566.23759 (18013018)
 4022432.0 |    382.19052 (22011919)    539.12327 (21012117)    833.67990 (20122601)
 1092.17004 (18091007)    752.38540 (22011217)
 4022388.5 |    405.06303 (22123002)    588.94253 (22120319)   1145.69736 (20020717)
 1750.82253 (22041507)    868.56315 (19012317)
 4022345.0 |    412.84500 (22011519)    600.13841 (19121322)   1385.51057 (21120509)
 1686.30270 (20092707)    957.03452 (19011016)
 4022301.5 |    417.94694 (22021024)    606.37420 (22021808)   1313.00981 (21120509)
 1512.12357 (19012817)    989.69049 (19011016)
 4022257.9 |    415.33198 (19120804)    591.51214 (22022618)   1156.64384 (19010924)
 1277.84612 (21020717)    901.14066 (18021908)
 4022214.4 |    386.06787 (19120420)    537.47022 (19120404)    830.00880 (19011419)
  752.34493 (19013017)    716.23231 (19122302)
 4022170.9 |    348.97724 (19122119)    455.48084 (19011420)    571.29121 (19021222)
  605.12148 (19013017)    544.27799 (22122620)
 4022127.4 |    309.05808 (22120403)    380.22500 (22021108)    425.48175 (22011902)
  475.34644 (19040721)    434.62094 (22122801)
 4022083.9 |    265.43634 (19011418)    304.91272 (22020102)    343.35830 (22012818)
  381.02730 (19040721)    356.15921 (19011803)
 4022040.3 |    231.57983 (19120324)    260.86576 (19121224)    281.41869 (22012818)
  311.43859 (19040721)    299.85394 (22120420)
 4021996.8 |    206.00647 (22021108)    220.50527 (22122606)    232.48495 (22020823)
  259.78246 (22122422)    254.43612 (22120420)
 4021953.3 |    174.46122 (19011802)    192.16493 (19021222)    200.07209 (22020823)
  222.95048 (22122422)    217.88363 (22043002)
 4021909.8 |    156.91910 (22020102)    167.06398 (19121719)    173.32951 (22020823)
  194.03057 (22122422)    196.91721 (19013017)
 4021866.3 |    141.37852 (19121224)    146.52559 (22011902)    151.94894 (19122304)
  170.84072 (22122422)    176.94719 (19013017)
 4021822.7 |    126.18029 (22122606)    130.00991 (22012818)    134.56851 (19122304)
  152.00205 (22122422)    158.51107 (19013017)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000094    , L0000095
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, L0000096    , L0000097    , L0000098    ,
                L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                L0000115    , L0000116    , L0000117    , L0000118    , L0000119
,

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       260015.92               260074.56               260133.20
      260191.84               260250.48
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    204.22263 (18020121)    186.76607 (18013018)    180.32153 (22011117)
   162.95965 (22120417)    144.24909 (19010818)
 4022649.6 |    235.73449 (20010317)    217.69193 (22122305)    201.81338 (22011217)
   173.42892 (19011821)    155.71492 (22021219)
 4022606.1 |    273.96562 (18013018)    253.08449 (22011117)    216.32952 (19122619)
   192.52308 (19011117)    162.19148 (22122906)
 4022562.6 |    327.42264 (22122305)    285.94103 (22120417)    243.44632 (19011117)
   201.57305 (22122906)    174.23696 (19021520)
 4022519.1 |    395.20318 (22011117)    360.76953 (19010818)    259.33433 (22122906)
   217.80384 (19121021)    184.89522 (19012317)
 4022475.5 |    439.13189 (19121619)    343.18404 (22122906)    281.79120 (19022319)
   235.89880 (19012317)    191.73201 (19120524)
 4022432.0 |    502.05627 (22122906)    379.11412 (19012317)    296.04015 (18020418)
   241.82444 (18010717)    199.83631 (19011018)
 4022388.5 |    555.42773 (19012317)    397.41576 (18010717)    309.97061 (19010317)
   246.88432 (22021322)    204.64831 (19120317)
 4022345.0 |    551.82016 (22032621)    401.81132 (19121406)    312.79510 (19121406)
   250.74345 (19121406)    205.73358 (19121406)
 4022301.5 |    558.06831 (20021318)    408.20012 (21021921)    316.76137 (18020518)
   257.75066 (18020518)    213.70915 (18020518)
 4022257.9 |    550.25150 (21011717)    402.20713 (21011717)    309.88535 (20021318)
   248.16933 (18120120)    205.28604 (20122623)
 4022214.4 |    489.74322 (18022108)    368.47138 (21020822)    308.72009 (21011717)
   242.46096 (21120903)    202.43242 (20021318)
 4022170.9 |    425.36924 (18022518)    333.82506 (18022108)    267.14468 (21021523)
   231.63999 (18020519)    201.66230 (21011717)
 4022127.4 |    360.66666 (20022622)    302.61599 (18021908)    247.88768 (18010706)
   207.34028 (21021523)    185.55758 (21020822)
 4022083.9 |    314.64760 (19121401)    263.63082 (18011105)    227.03936 (18021908)
   193.84063 (21022220)    166.85595 (20020819)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260309.12	260367.76	260426.40	260485.04	260543.68
4022693.1	130.58766 (19011819)	114.63271 (22022823)	104.52970 (22121720)	95.28824 (19022319)	86.23756 (19010901)
4022649.6	134.86769 (22022823)	121.60858 (22121720)	109.87775 (19022319)	97.87031 (19010901)	91.80345 (19012317)
4022606.1	143.76292 (22121720)	127.51857 (19022319)	114.53122 (19012317)	103.81807 (19012317)	91.66622 (18020418)
4022562.6	151.11514 (19010901)	136.58786 (19012317)	118.13061 (18020418)		

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  104.38569 (19120524)     94.60075 (19042806)
 4022519.1 |    159.77074 (19012317)    137.21431 (19120524)    121.72361 (22021020)
  109.41124 (18010717)     96.88651 (19011018)
 4022475.5 |    164.95374 (22021020)    143.30558 (18010717)    124.56478 (19011018)
  111.32222 (19010317)     97.99429 (19010317)
 4022432.0 |    170.46782 (19010317)    145.03225 (18010522)    127.37897 (22021322)
  112.46241 (19012718)    100.63472 (19120317)
 4022388.5 |    172.57577 (19120317)    146.72230 (19020105)    127.68125 (22120424)
  111.55489 (22120424)     99.60689 (19121406)
 4022345.0 |    173.38380 (18012918)    148.81160 (18012918)    129.45946 (18012918)
  113.90868 (18012918)    101.22451 (18012918)
 4022301.5 |    179.99822 (18020518)    153.67877 (18020518)    132.82205 (18020518)
  116.46831 (18011424)    103.77067 (18011424)
 4022257.9 |    175.06218 (21021921)    149.83280 (20121220)    131.71718 (18120317)
  116.03678 (18120317)    102.41531 (18120317)
 4022214.4 |    170.50758 (21120119)    146.08815 (18022023)    128.73429 (18120120)
  113.42575 (20122623)    101.54693 (21021921)
 4022170.9 |    166.78210 (21120903)    143.96690 (20021701)    127.23504 (21120119)
  111.59690 (18122308)     99.39958 (18022023)
 4022127.4 |    164.90142 (21011717)    143.00157 (21011717)    123.71001 (21120903)
  109.72810 (18123017)     98.74350 (20021318)
 4022083.9 |    149.55857 (20121723)    135.30017 (21020119)    124.67004 (21011717)
  107.28807 (21011717)     96.56879 (21120903)
 4022040.3 |    138.01423 (20020819)    123.45292 (20121723)    115.80629 (21020822)
  105.40987 (21011717)     97.62304 (21011717)
 4021996.8 |    131.05548 (21022220)    116.99262 (20010617)    104.40425 (18010923)
   99.79952 (21020822)     91.50432 (21020119)
 4021953.3 |    122.15589 (18010924)    111.36015 (21022220)    100.87735 (20010617)
   90.26747 (21123001)     86.26336 (20121723)
 4021909.8 |    115.50683 (18011122)    104.45414 (18121019)     96.17040 (21022220)
   88.14397 (20010617)     80.07159 (21021523)
 4021866.3 |    107.86826 (18033019)     99.62162 (21120318)     90.88172 (18022108)
   84.18119 (20120518)     77.87294 (20010617)
 4021822.7 |    101.56576 (20121118)     95.40289 (18021908)     87.12108 (22011717)
   80.11141 (18022108)     74.60675 (20120518)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                    INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                  L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                  L0000107    , L0000108    , L0000109    , L0000110    , L0000111
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, L0000112   , L0000113   , L0000114   ,
                L0000115   , L0000116   , L0000117   , L0000118   , L0000119
,

                                *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

  Y-COORD | X-COORD (METERS)
  (METERS) | 260602.32
 -
- -

 4022693.1 | 80.01843 (19012317)
 4022649.6 | 81.76694 (18020418)
 4022606.1 | 82.83412 (19120524)
 4022562.6 | 86.75595 (18010717)
 4022519.1 | 86.97982 (19010317)
 4022475.5 | 88.59749 (18010522)
 4022432.0 | 90.15573 (19120317)
 4022388.5 | 90.32410 (19121406)
 4022345.0 | 90.70187 (18012918)
 4022301.5 | 93.19481 (18011424)
 4022257.9 | 92.52437 (20121122)
 4022214.4 | 91.73325 (21021921)
 4022170.9 | 90.17791 (18120120)
 4022127.4 | 89.32143 (21120119)
 4022083.9 | 87.44676 (18123017)
 4022040.3 | 84.75527 (21020823)
 4021996.8 | 86.15965 (21011717)
 4021953.3 | 80.86036 (21020822)
 4021909.8 | 75.54562 (20121723)
 4021866.3 | 71.51478 (21021523)
 4021822.7 | 69.44433 (20010617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0000094   , L0000095
, L0000096   , L0000097   , L0000098   ,
                L0000099   , L0000100   , L0000101   , L0000102   , L0000103
, L0000104   , L0000105   , L0000106   ,

```
                 L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                 L0000115    , L0000116    , L0000117    , L0000118    , L0000119
,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        259632.90   4022073.46      200.41381  (19121302)               259632.90
4022093.46      211.92647  (19122119)
        259632.90   4022113.46      223.41481  (22010517)               259632.90
4022133.46      229.36255  (19120917)
        259632.90   4022153.46      239.16954  (19120420)               259632.90
4022173.46      251.63010  (19013020)
        259632.90   4022193.46      259.17777  (22021618)               259632.90
4022213.46      267.56185  (22021418)
        259632.90   4022233.46      269.25920  (19120908)               259652.90
4022073.46      212.43022  (19120404)
        259652.90   4022093.46      221.49211  (19121302)               259652.90
4022113.46      235.00928  (19122119)
        259652.90   4022133.46      248.44687  (22010517)               259652.90
4022153.46      253.95767  (19120919)
        259652.90   4022173.46      263.95619  (19120420)               259652.90
4022193.46      279.04468  (19012823)
        259652.90   4022213.46      291.64033  (22021418)               259652.90
4022233.46      293.21857  (19120908)
        259672.90   4022073.46      226.77253  (22120403)               259672.90
4022093.46      236.72931  (19120404)
        259672.90   4022113.46      247.33405  (19121302)               259672.90
4022133.46      262.49098  (19122119)
        259672.90   4022153.46      277.67180  (22010517)               259672.90
4022173.46      286.31964  (19120420)
        259672.90   4022193.46      301.28052  (19013020)               259672.90
4022213.46      312.04277  (22021618)
        259672.90   4022233.46      319.82653  (22021418)               259692.90
4022073.46      236.22297  (19011001)
        259692.90   4022093.46      253.67077  (22120403)               259692.90
4022113.46      266.03594  (19120404)
        259692.90   4022133.46      278.33197  (19121302)               259692.90
4022153.46      295.30610  (19122119)
        259692.90   4022173.46      311.47629  (19120917)               259692.90
4022193.46      323.68938  (19120420)
        259692.90   4022213.46      339.69246  (19013020)               259692.90
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4022233.46      354.22166  (22021418)
        259712.90   4022073.46      249.60310  (19011420)                259712.90
4022093.46      265.25536  (19121004)
        259712.90   4022113.46      285.32527  (22120403)                259712.90
4022133.46      302.09451  (22120403)
        259712.90   4022153.46      316.21762  (19121302)                259712.90
4022173.46      338.73270  (22010517)
        259712.90   4022193.46      352.39272  (19120917)                259712.90
4022213.46      369.21702  (19013020)
        259712.90   4022233.46      385.62902  (22021418)                259732.90
4022073.46      265.49389  (19120324)
        259732.90   4022093.46      282.36336  (19011418)                259732.90
4022113.46      300.55645  (19121004)
        259732.90   4022133.46      325.10488  (19011001)                259732.90
4022153.46      347.65401  (22120403)
        259732.90   4022173.46      364.02221  (19022324)                259732.90
4022193.46      392.29508  (22010517)
        259732.90   4022213.46      405.54821  (19120420)                259732.90
4022233.46      425.39480  (19012823)
        259752.90   4022073.46      281.68372  (22021108)                259752.90
4022093.46      300.48977  (19120324)
        259772.90   4022073.46      289.22237  (19123018)                259772.90
4022093.46      321.16000  (22021108)
        259792.90   4022073.46      304.42794  (19121224)                259792.90
4022093.46      330.15376  (22020102)
        259812.90   4022073.46      314.88044  (19021222)                259812.90
4022093.46      342.46998  (22122606)
        259832.90   4022073.46      319.72438  (22012818)                259832.90
4022093.46      351.38121  (22011902)
        259920.63   4022125.03      471.74857  (19013017)                259920.63
4022145.03      520.04488  (19013017)
        259920.63   4022165.03      578.48997  (19013017)                259940.63
4022105.03      404.37544  (22120420)
        259940.63   4022125.03      442.81221  (19011803)                259940.63
4022145.03      489.94805  (19011803)
        259940.63   4022165.03      546.77705  (22122801)                259960.63
4022105.03      390.60500  (22122801)
        259960.63   4022125.03      426.48119  (22121208)                259960.63
4022145.03      471.88604  (19041320)
        259960.63   4022165.03      522.95473  (22040719)                259980.63
4022105.03      372.85978  (22122620)
        259980.63   4022125.03      409.39326  (22040719)                259980.63
4022145.03      442.51172  (19031519)
        259980.63   4022165.03      488.68458  (22042423)                260000.63
4022105.03      353.29349  (19031519)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260000.63	4022125.03	384.89754	(22042423)	260000.63	4022145.03	408.76361	(22021921)
260000.63	4022165.03	442.18181	(21021020)	259550.34	4021844.01	107.76558	(19011420)
259550.34	4021864.01	111.04011	(19121004)	259550.34	4021884.01	115.56985	(19121004)
259550.34	4021904.01	120.98689	(19011001)	259550.34	4021924.01	126.04094	(22120403)
259550.34	4021944.01	131.31078	(22120403)	259550.34	4021964.01	134.75318	(19120404)
259550.34	4021984.01	138.75924	(19121302)	259550.34	4022004.01	143.68862	(19022324)
259550.34	4022024.01	150.66711	(19122119)	259570.34	4021844.01	110.79865	(19011418)
259570.34	4021864.01	115.05896	(19011418)	259570.34	4021884.01	118.74327	(19011420)
259570.34	4021904.01	123.84525	(19121004)	259570.34	4021924.01	129.45038	(19011001)
259570.34	4021944.01	134.96969	(22120403)	259570.34	4021964.01	141.64000	(22120403)
259570.34	4021984.01	145.36021	(19120404)	259570.34	4022004.01	150.06241	(19121302)
259570.34	4022024.01	155.77755	(19022324)	259590.34	4021844.01	114.50946	(19120324)
259590.34	4021864.01	117.28992	(19011418)	259590.34	4021884.01	123.42491	(19011418)

259590.34 4021904.01 127.89297 (19011420) 259590.34 4021924.01 132.95677 (19121004)
259590.34 4021944.01 138.86800 (19011001) 259590.34 4021964.01 145.46051 (19011001)
259590.34 4021984.01 153.24608 (22120403) 259590.34 4022004.01 157.59323 (19120404)
259590.34 4022024.01 163.00027 (19121302) 259610.34 4021844.01 116.98239 (19120324)
259610.34 4021864.01 122.95547 (19120324) 259610.34 4021884.01 126.72649 (19120324)
259610.34 4021904.01 132.16917 (19011418) 259610.34 4021924.01 137.81560 (19011418)
259610.34 4021944.01 142.78167 (19121004) 259610.34 4021964.01 149.65873 (19121004)
259610.34 4021984.01 157.89359 (19011001) 259610.34 4022004.01 166.54746 (22120403)
259610.34 4022024.01 171.59766 (19120404) 259630.34 4021844.01 121.97291 (22011623)
259630.34 4021864.01 125.82686 (22011623) 259630.34 4021884.01 131.27084 (19120324)
259630.34 4021904.01 137.53607 (19120324) 259630.34 4021924.01 141.05212 (19011418)
259630.34 4021944.01 149.43270 (19011418) 259630.34 4021964.01 155.49752 (19011420)
259630.34 4021984.01 162.89476 (19121004) 259630.34 4022004.01 171.97666 (19011001)
259630.34 4022024.01 181.70001 (22120403) 259650.34 4021844.01 125.16901 (22021108)
259650.34 4021864.01 131.37902 (22021108) 259650.34 4021884.01 136.41520 (22011623)
259650.34 4021904.01 140.70564 (22011623) 259650.34 4021924.01 148.43478 (19120324)
259650.34 4021944.01 154.84932 (19120324) 259650.34 4021964.01 161.66733 (19011418)
259650.34 4021984.01 169.55179 (19011420) 259650.34 4022004.01 177.60890 (19121004)
259650.34 4022024.01 187.83387 (19011001) 259670.34 4021844.01 124.24386 (19011802)
259670.34 4021864.01 132.15538 (19123018) 259670.34 4021884.01 140.40342 (22021108)
259670.34 4021904.01 147.89355 (22021108) 259670.34 4021924.01 154.05326 (22011623)
259670.34 4021944.01 159.10048 (22021107) 259670.34 4021964.01 169.31606 (19120324)
259670.34 4021984.01 175.51903 (19120324) 259670.34 4022004.01 186.20610 (19011418)
259670.34 4022024.01 194.63475 (19011420) 259690.34 4021844.01 128.49406 (22020102)
259690.34 4021864.01 133.36984 (22020102) 259690.34 4021884.01 139.37484 (19011802)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021904.01	148.97027	(19123018)	259690.34	4021924.01	159.12340	(22021108)
259690.34	4021944.01	168.30725	(22021108)	259690.34	4021964.01	175.87715	(22011623)
259690.34	4021984.01	183.86094	(19120324)	259690.34	4022004.01	195.01134	(19120324)
259690.34	4022024.01	204.33067	(19011418)	259710.34	4021844.01	132.27261	(19121224)
259710.34	4021864.01	137.79832	(19121224)	259710.34	4021884.01	144.76288	(22020102)
259710.34	4021904.01	151.68580	(22020102)	259710.34	4021924.01	157.85492	(19011802)
259710.34	4021944.01	169.77239	(19123018)	259710.34	4021964.01	182.52352	(22021108)
259710.34	4021984.01	194.01096	(22021108)	259710.34	4022004.01	203.43456	(22011623)
259710.34	4022024.01	215.31431	(19120324)	259730.34	4021844.01	133.71471	(22122606)
259730.34	4021864.01	140.09861	(19121224)	259730.34	4021884.01	149.00737	(19121224)
259730.34	4021904.01	157.12375	(19121224)	259730.34			

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4021924.01      164.37098  (22020102)
        259730.34   4021944.01      174.24829  (22020102)                259730.34
4021964.01      182.18846  (22020102)
        259730.34   4021984.01      196.04356  (19123018)                259730.34
4022004.01      212.48574  (22021108)
        259730.34   4022024.01      227.20090  (22021108)                259750.34
4021844.01      137.05816  (19021222)
        259750.34   4021864.01      143.97147  (19021222)                259750.34
4021884.01      150.38363  (19021222)
        259750.34   4021904.01      159.43310  (22122606)                259750.34
4021924.01      168.51806  (19121224)
        259750.34   4021944.01      180.33541  (19121224)                259750.34
4021964.01      190.99589  (19121224)
        259750.34   4021984.01      202.47004  (22020102)                259750.34
4022004.01      214.61092  (22020102)
        259750.34   4022024.01      230.07567  (19123018)                259770.34
4021844.01      138.06900  (22011902)
        259770.34   4021864.01      145.59927  (22011902)                259770.34
4021884.01      154.35774  (19121719)
        259770.34   4021904.01      163.50043  (19021222)                259770.34
4021924.01      173.59285  (19021222)
        259770.34   4021944.01      183.19333  (19021222)                259770.34
4021964.01      194.91487  (22122606)
        259770.34   4021984.01      208.30064  (19121224)                259770.34
4022004.01      224.69703  (19121224)
        259770.34   4022024.01      239.32635  (19121224)                259790.34
4021844.01      140.06255  (22012818)
        259790.34   4021864.01      146.06386  (22012818)                259790.34
4021884.01      153.05426  (22011902)
        259790.34   4021904.01      164.03114  (22011902)                259790.34
4021924.01      175.34168  (22011902)
        259790.34   4021944.01      186.92331  (19121719)                259790.34
4021964.01      200.27594  (19121719)
        259790.34   4021984.01      214.88751  (19021222)                259790.34
4022004.01      230.00410  (19021222)
        259790.34   4022024.01      246.34018  (22122606)                259810.34
4021844.01      142.69595  (22012818)
        259810.34   4021864.01      151.36591  (22012818)                259810.34
4021884.01      160.50916  (22012818)
        259810.34   4021904.01      170.11812  (22012818)                259810.34
4021924.01      180.14620  (22012818)
        259810.34   4021944.01      190.52147  (22012818)                259810.34
4021964.01      201.13844  (22012818)
        259810.34   4021984.01      215.28941  (22011902)                259810.34
4022004.01      233.69897  (22011902)
        259810.34   4022024.01      253.23481  (19121719)                259830.34
4021844.01      143.02516  (22020823)
        259830.34   4021864.01      151.21322  (22020823)                259830.34
4021884.01      160.00213  (22020823)
        259830.34   4021904.01      169.44558  (22020823)                259830.34
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4021924.01   179.57954 (22020823)
        259830.34   4021944.01   192.22031 (22012818)   259830.34
4021964.01   207.42634 (22012818)
        259830.34   4021984.01   223.95418 (22012818)   259830.34
4022004.01   241.88733 (22012818)
        259830.34   4022024.01   261.23382 (22012818)   259850.34
4021844.01   144.76094 (19122219)
        259850.34   4021864.01   152.82548 (19122219)   259850.34
4021884.01   161.59665 (19122219)
        259850.34   4021904.01   171.18519 (19122219)   259850.34
4021924.01   181.67695 (19122219)
        259850.34   4021944.01   193.49487 (19122304)   259850.34
4021964.01   207.59174 (19122304)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):   L0000094   , L0000095
, L0000096   , L0000097   , L0000098   ,
                 L0000099   , L0000100   , L0000101   , L0000102   , L0000103
, L0000104   , L0000105   , L0000106   ,
                 L0000107   , L0000108   , L0000109   , L0000110   , L0000111
, L0000112   , L0000113   , L0000114   ,
                 L0000115   , L0000116   , L0000117   , L0000118   , L0000119
,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        259850.34   4021984.01   223.24023 (19122304)   259850.34
4022004.01   241.58167 (22020823)
        259850.34   4022024.01   262.20453 (22020823)   259870.34
4021844.01   156.65490 (19032801)
        259870.34   4021864.01   165.22015 (19032801)   259870.34
4021884.01   174.60001 (19032801)
        259870.34   4021904.01   184.96181 (19032801)   259870.34
4021924.01   196.43421 (19032801)

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        259870.34   4021944.01      209.20113  (19032801)              259870.34
4021964.01      223.41092  (19032801)
        259870.34   4021984.01      239.32720  (19032801)              259870.34
4022004.01      257.24101  (19032801)
        259870.34   4022024.01      277.62348  (19032801)              259890.34
4021844.01      162.12685  (19032801)
        259890.34   4021864.01      171.27099  (19032801)              259890.34
4021884.01      181.31517  (19032801)
        259890.34   4021904.01      192.45532  (19032801)              259890.34
4021924.01      204.80760  (19032801)
        259890.34   4021944.01      218.51650  (19032801)              259890.34
4021964.01      233.82908  (19032801)
        259890.34   4021984.01      251.02389  (19032801)              259890.34
4022004.01      270.40919  (19032801)
        259890.34   4022024.01      292.41770  (19032801)              259910.34
4021844.01      161.03926  (19040721)
        259910.34   4021864.01      170.62081  (19040721)              259910.34
4021884.01      181.11906  (19040721)
        259910.34   4021904.01      192.69106  (19040721)              259910.34
4021924.01      205.42816  (19040721)
        259910.34   4021944.01      219.50331  (19040721)              259910.34
4021964.01      235.11601  (19040721)
        259910.34   4021984.01      252.49116  (19040721)              259910.34
4022004.01      271.88782  (19040721)
        259910.34   4022024.01      293.60537  (19040721)              259930.34
4021844.01      161.57918  (19011317)
        259930.34   4021864.01      171.17076  (19011317)              259930.34
4021884.01      181.54726  (19011317)
        259930.34   4021904.01      192.78587  (19011317)              259930.34
4021924.01      206.96596  (19013017)
        259930.34   4021944.01      222.67950  (19013017)              259950.34
4021844.01      167.48504  (19013017)
        259950.34   4021864.01      177.11109  (19013017)              259950.34
4021884.01      187.27561  (19013017)
        259950.34   4021904.01      197.97219  (19013017)              259950.34
4021924.01      209.18213  (19013017)
        259950.34   4021944.01      220.86868  (19013017)              259970.34
4021844.01      161.30803  (19013017)
        259970.34   4021864.01      167.62842  (19013017)              259970.34
4021884.01      175.37014  (22043002)
        259970.34   4021904.01      185.76810  (22043002)              259970.34
4021924.01      197.21409  (22120420)
        259970.34   4021944.01      211.63286  (22120420)              259990.34
4021844.01      156.81043  (22120420)
        259990.34   4021864.01      166.17523  (22120420)              259990.34
4021884.01      175.56480  (22120420)
        259990.34   4021904.01      184.79216  (22120420)              259990.34
4021924.01      195.33794  (19011803)
        259990.34   4021944.01      207.91234  (19011803)              260122.80
4022046.18      213.18189  (21021019)
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260142.80 4022066.18 215.14156 (18021908) 260142.80
4022086.18 221.71346 (22011717)
260142.80 4022106.18 229.30083 (18022108) 260142.80
4022126.18 240.62170 (21022220)
260142.80 4022146.18 249.18457 (20010617) 260142.80
4022166.18 255.99703 (21021523)
260162.80 4022066.18 201.95728 (22011717) 260162.80
4022086.18 208.37360 (18121019)
260162.80 4022106.18 218.02661 (21022220) 260162.80
4022126.18 225.70215 (20120518)
260162.80 4022146.18 232.87566 (21021523) 260162.80
4022166.18 246.16565 (21020822)
260182.80 4022066.18 190.44727 (18121019) 260182.80
4022086.18 199.09305 (21120907)
260182.80 4022106.18 206.89617 (20120518) 260182.80
4022126.18 212.73222 (20020819)
260182.80 4022146.18 218.48448 (20121723) 260182.80
4022166.18 236.54027 (21020822)
260202.80 4022066.18 182.49838 (21120907) 260202.80
4022086.18 189.69442 (20120518)
260202.80 4022106.18 195.51127 (20010617) 260202.80
4022126.18 200.20787 (21021523)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0000094 , L0000095
, L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103
, L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111
, L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M)
Y-COORD (M) CONC (YYMMDDHH)
- -

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- - - - - - - - - - - - - - - - - - - - - - - - - -
        260202.80   4022146.18      213.32379  (21020822)                260202.80
4022166.18      222.99145  (18020519)
        260095.45   4022187.01      318.10536  (20020819)                260095.45
4022207.01      338.01569  (21020822)
        260095.45   4022227.01      361.55053  (21011717)                260095.45
4022247.01      364.47487  (21011717)
        260095.45   4022267.01      366.63268  (20021318)                260115.45
4022187.01      293.27640  (20120905)
        260115.45   4022207.01      316.22106  (21020822)                260115.45
4022227.01      335.90612  (21011717)
        260115.45   4022247.01      330.34878  (18123017)                260115.45
4022267.01      333.45192  (21120119)
        260135.45   4022187.01      282.99433  (21020822)                260135.45
4022207.01      299.97187  (21011717)
        260135.45   4022227.01      305.98766  (21011717)                260135.45
4022247.01      305.34125  (20021318)
        260135.45   4022267.01      306.24753  (18022023)                260155.45
4022187.01      265.85370  (21020822)
        260155.45   4022207.01      282.70323  (21011717)                260155.45
4022227.01      277.96392  (21120903)
        260155.45   4022247.01      283.56351  (20021318)                260155.45
4022267.01      284.32686  (18120120)
        260175.45   4022187.01      253.70067  (21011717)                260175.45
4022207.01      261.40162  (21011717)
        260175.45   4022227.01      259.16631  (18123017)                260175.45
4022247.01      262.81090  (21120119)
        260175.45   4022267.01      264.68721  (18120120)                260195.45
4022187.01      241.93203  (21011717)
        260195.45   4022207.01      237.58725  (21011717)                260195.45
4022227.01      241.69184  (20021318)
        260195.45   4022247.01      243.22122  (21120119)                260195.45
4022267.01      245.85472  (20122623)
        260063.43   4022072.23      264.36460  (21021020)                260063.43
4022092.23      280.30668  (20010417)
        260063.43   4022112.23      296.86071  (18022518)                260083.43
4022072.23      249.37435  (18011105)
        260083.43   4022092.23      264.45434  (20121118)                260083.43
4022112.23      279.87285  (18021908)
        260103.43   4022072.23      238.90782  (21021019)                260103.43
4022092.23      251.45490  (18021908)
        260103.43   4022112.23      264.86092  (18021908)                260243.42
4022062.81      165.41459  (20120518)
        260243.42   4022082.81      169.85619  (20010617)                260243.42
4022102.81      173.38405  (21021523)
        260243.42   4022122.81      184.76193  (21020822)                260243.42
4022142.81      192.51762  (21020822)
        260243.42   4022162.81      204.23454  (21011717)                260243.42
4022182.81      203.70471  (21011717)
        260243.42   4022202.81      204.61146  (18123017)                260243.42
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4022222.81      207.74850  (21120119)
        260243.42   4022242.81      207.77308  (18022023)                260243.42
4022262.81      210.60688  (21021921)
        260243.42   4022282.81      213.91285  (18120317)                260243.42
4022302.81      218.43427  (18020518)
        260243.42   4022322.81      213.83551  (21122617)                260243.42
4022342.81      210.49475  (18012918)
        260243.42   4022362.81      207.91722  (19121406)                260243.42
4022382.81      209.96580  (19120317)
        260243.42   4022402.81      206.49217  (18010522)                260243.42
4022422.81      205.53213  (19010317)
        260263.42   4022362.81      196.35983  (19121406)                260263.42
4022382.81      197.22380  (19120317)
        260263.42   4022402.81      195.12821  (22021322)                260263.42
4022422.81      194.64866  (19010317)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0000120    , L0000121
, L0000122    , L0000123    ,

                                     *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                    X-COORD (METERS)
  (METERS) |       259429.52              259488.16              259546.80
      259605.44              259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    114.26141 (22123005)    127.08169 (19120623)    142.47972 (19011217)
   158.45751 (19120624)    183.05864 (20011619)
 4022649.6 |    122.19178 (18012217)    136.93332 (22123005)    154.28402 (19120623)
   175.92079 (19011217)    195.57467 (22021224)
 4022606.1 |    128.52802 (22011919)    147.41384 (18012217)    168.48698 (22123005)
   193.32045 (18121617)    222.90554 (22122617)
 4022562.6 |    135.23876 (22120319)    157.47809 (22011919)    182.82591 (18012217)
   216.55297 (21012117)    255.57987 (18021108)
 4022519.1 |    143.61012 (22120404)    166.64331 (19012217)    195.32456 (22011919)
   237.87958 (18020808)    294.20115 (21012117)
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 4022475.5 |    148.52935 (22123002)    175.91440 (19120121)    214.10924 (22120404)
   259.27584 (22120319)    328.34582 (18020808)
 4022432.0 |    152.84879 (22021923)    182.55511 (22120104)    223.84547 (22122918)
   281.22583 (19120121)    369.07343 (22120404)
 4022388.5 |    156.50843 (19122018)    188.54580 (22011521)    232.97986 (19021306)
   296.27458 (19011002)    396.85961 (22120104)
 4022345.0 |    159.02850 (19120520)    191.97688 (19120421)    238.64673 (19120421)
   307.63981 (19120421)    416.83692 (19120421)
 4022301.5 |    162.39264 (22021408)    196.24924 (22021408)    242.79891 (22021408)
   310.02049 (22011604)    419.56501 (22021718)
 4022257.9 |    159.50686 (19120807)    191.12565 (22021024)    233.38496 (19010722)
   301.74059 (19010722)    405.31128 (22021808)
 4022214.4 |    156.43690 (19010722)    188.07858 (22021808)    225.00448 (22021401)
   284.08826 (19120908)    369.88806 (22021418)
 4022170.9 |    150.52772 (19122221)    178.83807 (19120908)    216.62253 (22021418)
   261.28396 (19010721)    318.17923 (19120420)
 4022127.4 |    143.65336 (19120601)    169.27562 (22021618)    198.81678 (19013020)
   230.89364 (19120420)    276.43755 (19122119)
 4022083.9 |    137.56567 (19010721)    156.92761 (19013020)    177.47605 (19120420)
   209.51425 (22010517)    241.69913 (19120404)
 4022040.3 |    126.31637 (19013020)    141.92475 (19120420)    165.68705 (22010517)
   185.29406 (19121302)    214.07266 (19011001)
 4021996.8 |    117.35132 (19120919)    135.10390 (22010517)    147.92047 (19022324)
   170.30023 (22120403)    187.80604 (19011420)
 4021953.3 |    112.94416 (22010517)    123.23292 (19122119)    136.65120 (19120404)
   150.30621 (19011001)    168.07451 (19120324)
 4021909.8 |    104.36738 (19122119)    112.83213 (19121302)    125.56864 (22120403)
   136.72741 (19011420)    150.70322 (22011623)
 4021866.3 |     96.57058 (19121302)    107.21968 (22120403)    114.62660 (19121004)
   124.32376 (19120324)    137.71738 (22021108)
 4021822.7 |     90.98642 (19120404)     98.76428 (19011001)    105.76717 (19011418)
   113.61564 (19120324)    120.63891 (19123018)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                   PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                   INCLUDING SOURCE(S):     L0000120    , L0000121
, L0000122    , L0000123    ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
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  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259722.72               259781.36               259840.00
      259898.64               259957.28
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    214.76382 (21020518)    229.97894 (21121224)    245.30742 (18020908)
   241.77131 (18011807)    230.06243 (20022519)
 4022649.6 |    246.06171 (20120717)    266.87449 (21122218)    288.04274 (18020908)
   286.97568 (18011807)    276.69086 (20022519)
 4022606.1 |    274.15977 (20011619)    323.67156 (20022719)    348.46844 (21022108)
   348.70820 (18011807)    329.86197 (20022519)
 4022562.6 |    300.06056 (22021224)    387.95207 (21020518)    428.34912 (20030518)
   436.74352 (18011807)    409.78715 (18020522)
 4022519.1 |    358.93717 (19011217)    471.36441 (20011619)    551.63959 (20022518)
   572.32110 (18011807)    527.93679 (21021708)
 4022475.5 |    431.42487 (21012117)    551.95296 (18120908)    743.33534 (20022719)
   787.66541 (18011807)    707.08843 (20010317)
 4022432.0 |    500.65303 (22011919)    713.57566 (19120623)   1085.18333 (20120717)
  1220.27383 (18091007)   1063.80906 (19040107)
 4022388.5 |    573.02463 (22120303)    911.03203 (19122702)   1612.10071 (19011217)
  2741.49761 (18091007)   1704.62650 (19010818)
 4022345.0 |    617.71422 (19120922)   1086.20696 (22011521)   3223.24973 (21120509)
  5934.98105 (18091007)   2714.64701 (19010317)
 4022301.5 |    624.73120 (19120807)   1085.56633 (19010722)   2442.45703 (22021618)
  4376.19462 (19013017)   2598.41219 (21011717)
 4022257.9 |    574.08023 (19120804)    870.49754 (19013020)   1378.66781 (19011001)
  1898.51629 (19040721)   1460.68082 (20121118)
 4022214.4 |    479.49378 (19120420)    651.59078 (19121302)    902.12638 (22021108)
  1104.52579 (22122422)    967.78402 (22042423)
 4022170.9 |    401.83983 (19122119)    503.75728 (19011420)    620.10601 (19121224)
   740.78908 (22122422)    691.88485 (19041320)
 4022127.4 |    340.48246 (22120403)    401.13909 (19120324)    463.08516 (19021222)
   542.59257 (19032801)    516.19000 (19011804)
 4022083.9 |    282.60104 (19011420)    327.16420 (19123018)    357.45229 (22011902)
   420.06815 (19032801)    407.70916 (22120420)
 4022040.3 |    244.31086 (19120324)    270.15279 (22020102)    294.25405 (22012818)
   338.14227 (19032801)    329.95751 (22120420)
 4021996.8 |    214.22892 (22021108)    229.15412 (19121224)    246.25430 (22012818)
   280.17574 (19032801)    276.83863 (19013017)
 4021953.3 |    182.47650 (19123018)    196.56526 (19021222)    206.12711 (22012818)
   237.35073 (19032801)    243.68384 (19013017)
 4021909.8 |    160.87583 (22020102)    171.97813 (19021222)    178.18683 (22020823)
   204.64240 (19032801)    213.27280 (19013017)
 4021866.3 |    144.23020 (19121224)    151.03768 (22011902)    156.57576 (22020823)
   178.92069 (19032801)    186.44272 (19013017)
 4021822.7 |    128.33984 (19121224)    132.72049 (22011902)    138.19834 (22020823)
   158.35731 (19032801)    163.20264 (19013017)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260015.92	260074.56	260133.20	260191.84	260250.48
4022693.1	219.69350 (18020318)	205.20625 (18013018)	194.08188 (19021720)	181.01768 (22120417)	158.37148 (19011821)
4022649.6	255.50423 (18020121)	239.94696 (22122305)	226.00732 (22011217)	191.88829 (19123119)	175.99616 (19011117)
4022606.1	305.40883 (20010317)	281.82383 (19021720)	250.92658 (22120417)	221.68331 (19011117)	186.78217 (22122906)
4022562.6	370.11352 (18013018)	340.39093 (22011217)	283.98043 (19010818)	239.29840 (22122906)	202.32010 (22121720)
4022519.1	473.06993 (19121121)	461.09808 (19011003)	321.80946 (22122906)	262.23080 (19021520)	216.95644 (19010901)
4022475.5	597.29189 (22120417)	455.91279 (22122906)	362.61087 (19121021)	295.53873 (19012317)	231.68052 (19120524)
4022432.0	772.61027 (22021219)	542.66019 (19022319)	402.62179 (18020418)	310.43357 (22021020)	247.09720 (19011018)
4022388.5	1013.18858 (19012317)	626.36086 (18010717)	440.68715 (19010317)	326.08964 (22021322)	257.05731 (19120317)
4022345.0	1145.55523 (19120317)	666.62042 (19121406)	457.09951 (19121406)	335.56053 (19121406)	259.89498 (18012918)
4022301.5	1139.27137 (18120120)	681.14327 (21021921)	463.93114 (18120317)	345.45583 (18020518)	272.58127 (18020518)
4022257.9	918.56735 (21020822)	631.39669 (21011717)	441.20086 (20021318)	328.27691 (18022023)	258.91738 (18120120)
4022214.4	709.24705 (18021908)	509.76253 (21021523)	411.45624 (21011717)	311.84917 (21020823)	249.55331 (20021701)
4022170.9	549.50361 (20010417)	430.79088 (22011717)	340.57318 (20020819)	289.95046 (21020822)	247.37397 (21011717)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
260309.12	260367.76	260426.40	260485.04	260543.68	
4022127.4	446.14146 (22021921)	367.71354 (21021019)	302.40205 (18022108)	249.09362 (20010617)	216.11112 (21020822)
4022083.9	366.47473 (19031519)	312.02059 (20010417)	271.11988 (18021908)	226.44348 (18022108)	193.69159 (20010617)
4022040.3	306.13574 (22122620)	266.34845 (22021921)	233.37449 (18022518)	203.99374 (21120318)	177.89934 (21120907)
4021996.8	260.40359 (22121208)	237.27254 (19121401)	207.71452 (20010417)	185.05052 (21021019)	164.06929 (22011717)
4021953.3	225.03447 (19011804)	206.89185 (22040719)	184.32671 (20022622)	165.81773 (18011105)	152.36077 (18021908)
4021909.8	195.03776 (22030818)	184.00000 (22040719)	170.01798 (22042423)	151.94151 (21021020)	138.16802 (21021019)
4021866.3	172.20569 (19011803)	164.07964 (19041320)	151.88677 (19121401)	137.55030 (20022622)	125.86724 (18011105)
4021822.7	154.21096 (22120420)	147.77566 (22121208)	138.80279 (22040719)	129.02188 (22021921)	117.71089 (21021020)
4022693.1	143.53632 (19011819)	125.55462 (22122906)	113.86401 (22121720)	103.69337 (19121021)	93.12786 (19010901)
4022649.6	151.05757 (22122906)	134.74970 (22121720)	121.04835 (19022319)	107.35125 (19010901)	99.97075 (19012317)
4022606.1	162.96372 (22121720)	143.56901 (19022319)	125.97296 (19012317)	115.03278 (19012317)	100.39033 (18020418)
4022562.6	172.83816 (19010901)	155.10818 (19012317)	132.45599 (18020418)	115.91552 (19120524)	104.08103 (19042806)
4022519.1	187.60746 (19012317)	157.30090 (19120524)	137.33307 (19042806)		

  122.34441 (18010717)   107.06736 (19011018)
 4022475.5 | 194.76297 (22021020)   166.35102 (18010717)   141.99474 (19011018)
  125.21866 (19010317)   108.60048 (19010317)
 4022432.0 | 204.63254 (19010317)   169.38770 (18010522)   146.10162 (22021322)
  127.00036 (19012718)   112.21748 (19120317)
 4022388.5 | 208.72036 (19120317)   172.69630 (22120424)   146.81492 (22120424)
  126.07054 (18011722)   111.32606 (19121406)
 4022345.0 | 210.92099 (18012918)   175.68864 (18012918)   149.31633 (18012918)
  128.96466 (18012918)   112.89539 (18012918)
 4022301.5 | 220.99872 (18020518)   183.20299 (18020518)   154.71925 (18020518)
  132.62761 (18020518)   116.23275 (18011424)
 4022257.9 | 211.63356 (21021921)   177.42497 (21021921)   151.88293 (18120317)
  132.20203 (18120317)   115.31457 (18120317)
 4022214.4 | 206.59736 (21120119)   172.22315 (18022023)   148.16995 (18120120)
  128.59804 (20122623)   112.52072 (20021322)
 4022170.9 | 197.40566 (21020823)   167.65787 (18123017)   144.95343 (21120119)
  125.99230 (18122308)   111.08281 (18022023)
 4022127.4 | 189.04823 (21020119)   166.94110 (21011717)   139.91961 (21020823)
  123.25095 (18123017)   109.31932 (20021318)
 4022083.9 | 167.94504 (20121723)   153.38389 (21020822)   139.50767 (21011717)
  121.42759 (21011717)   106.19792 (21020823)
 4022040.3 | 156.27228 (20010617)   135.82151 (18010923)   128.56924 (21020822)
  115.74550 (21020119)   107.57894 (21011717)
 4021996.8 | 145.06875 (21120907)   129.63755 (20010617)   114.16846 (21021523)
  107.71650 (20121723)   98.75631 (21020822)
 4021953.3 | 134.75847 (22011717)   121.41906 (21022220)   109.88864 (20010617)
   98.77493 (21021523)   92.24494 (20121723)
 4021909.8 | 127.43699 (18021908)   113.31469 (18010924)   103.90849 (21022220)
   94.75004 (20010617)   86.32581 (21021523)
 4021866.3 | 116.92502 (21021019)   106.82959 (21120318)   97.31708 (18121019)
   90.27990 (21022220)   82.82924 (20010617)
 4021822.7 | 108.40845 (18022518)   100.81826 (18021908)   92.69179 (21120318)
   84.98883 (18022108)   79.36621 (21022220)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0000120   , L0000121
, L0000122   , L0000123   ,

                                   *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS) 260602.32
4022693.1	85.65825 (19012317)
4022649.6	88.26409 (18020418)
4022606.1	90.07780 (19120524)
4022562.6	94.68477 (18010717)
4022519.1	95.13318 (19010317)
4022475.5	97.32192 (18010522)
4022432.0	99.25308 (19120317)
4022388.5	99.91729 (19121406)
4022345.0	99.91770 (18012918)
4022301.5	103.27036 (18011424)
4022257.9	102.00769 (20121122)
4022214.4	101.32640 (21021921)
4022170.9	98.97708 (18120120)
4022127.4	98.38063 (21120119)
4022083.9	95.66706 (18123017)
4022040.3	92.97004 (21011717)
4021996.8	92.30912 (21011717)
4021953.3	87.49254 (21020822)
4021909.8	79.24488 (20121723)
4021866.3	76.15521 (21021523)
4021822.7	73.23562 (20010617)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: IDLE ***
INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
- -

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- - - - - - - - - - - - - - - - - - - - - - - - - -
        259632.90   4022073.46      214.30856  (19121302)                259632.90
4022093.46      230.02608  (19122119)
        259632.90   4022113.46      246.29361  (22010517)                259632.90
4022133.46      253.57596  (19120917)
        259632.90   4022153.46      269.93443  (19120420)                259632.90
4022173.46      290.35681  (19013020)
        259632.90   4022193.46      303.83765  (19010721)                259632.90
4022213.46      319.58859  (22021418)
        259632.90   4022233.46      328.50151  (19120908)                259652.90
4022073.46      227.15030  (19120404)
        259652.90   4022093.46      238.86076  (19022324)                259652.90
4022113.46      257.52428  (19122119)
        259652.90   4022133.46      277.28064  (22010517)                259652.90
4022153.46      286.96699  (19120919)
        259652.90   4022173.46      302.53849  (19120420)                259652.90
4022193.46      329.94986  (22010522)
        259652.90   4022213.46      353.40261  (22021418)                259652.90
4022233.46      363.67166  (19120908)
        259672.90   4022073.46      243.27780  (22120403)                259672.90
4022093.46      255.40328  (19120404)
        259672.90   4022113.46      269.94262  (19022324)                259672.90
4022133.46      291.00332  (19122119)
        259672.90   4022153.46      314.45720  (22010517)                259672.90
4022173.46      330.86273  (19120420)
        259672.90   4022193.46      357.77834  (19013020)                259672.90
4022213.46      381.02103  (19010721)
        259672.90   4022233.46      399.53576  (22021418)                259692.90
4022073.46      253.65354  (19011001)
        259692.90   4022093.46      274.76886  (22120403)                259692.90
4022113.46      290.05161  (19120404)
        259692.90   4022133.46      308.21893  (19022324)                259692.90
4022153.46      334.08265  (22010517)
        259692.90   4022173.46      360.37099  (19120917)                259692.90
4022193.46      385.00121  (19120420)
        259692.90   4022213.46      420.05920  (19013020)                259692.90
4022233.46      453.76610  (22021418)
        259712.90   4022073.46      264.74382  (19011420)                259712.90
4022093.46      285.52521  (19011001)
        259712.90   4022113.46      312.40573  (22120403)                259712.90
4022133.46      332.81592  (19120404)
        259712.90   4022153.46      356.50127  (19022324)                259712.90
4022173.46      392.67748  (22010517)
        259712.90   4022193.46      417.79322  (19120917)                259712.90
4022213.46      453.67929  (19013020)
        259712.90   4022233.46      498.91590  (19010721)                259732.90
4022073.46      277.42860  (19120324)
        259732.90   4022093.46      301.27372  (19011420)                259732.90
4022113.46      325.72523  (19121004)
        259732.90   4022133.46      358.27811  (22120403)                259732.90
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4022153.46   386.91179 (19120404)
        259732.90   4022173.46   418.86654 (19022324)   259732.90
4022193.46   468.75773 (22010517)
        259732.90   4022213.46   501.46870 (19120420)   259732.90
4022233.46   560.69715 (19013020)
        259752.90   4022073.46   294.14126 (22011623)   259752.90
4022093.46   320.75566 (19120324)
        259772.90   4022073.46   310.72821 (22021108)   259772.90
4022093.46   341.83756 (22021108)
        259792.90   4022073.46   317.83082 (22020102)   259792.90
4022093.46   343.50341 (19011802)
        259812.90   4022073.46   328.48524 (22122606)   259812.90
4022093.46   365.28339 (19121224)
        259832.90   4022073.46   338.29796 (22011902)   259832.90
4022093.46   376.79888 (19121719)
        259920.63   4022125.03   558.20868 (19013017)   259920.63
4022145.03   642.68001 (19013017)
        259920.63   4022165.03   744.82576 (19013017)   259940.63
4022105.03   461.34198 (22043002)
        259940.63   4022125.03   525.11705 (22120420)   259940.63
4022145.03   598.84076 (22120420)
        259940.63   4022165.03   686.82423 (19011803)   259960.63
4022105.03   452.68256 (22030818)
        259960.63   4022125.03   509.79173 (19011804)   259960.63
4022145.03   577.06660 (22121208)
        259960.63   4022165.03   657.91539 (19041320)   259980.63
4022105.03   438.97628 (19041320)
        259980.63   4022125.03   487.38559 (22122620)   259980.63
4022145.03   551.54174 (22040719)
        259980.63   4022165.03   612.86412 (22021823)   260000.63
4022105.03   422.17068 (22040719)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: IDLE   ***
                                  INCLUDING SOURCE(S):   L0000120   , L0000121
, L0000122   , L0000123   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260000.63	4022125.03	460.14503	(19031519)	260000.63	4022145.03	517.46561	(22042423)
260000.63	4022165.03	561.79921	(20022622)	259550.34	4021844.01	110.23502	(19011420)
259550.34	4021864.01	114.59724	(19121004)	259550.34	4021884.01	118.87506	(19011001)
259550.34	4021904.01	125.02255	(19011001)	259550.34	4021924.01	131.25845	(22120403)
259550.34	4021944.01	135.74552	(22120403)	259550.34	4021964.01	140.21374	(19120404)
259550.34	4021984.01	145.39663	(19121302)	259550.34	4022004.01	151.48494	(19022324)
259550.34	4022024.01	159.06019	(19122119)	259570.34	4021844.01	113.87305	(19011418)
259570.34	4021864.01	117.99338	(19011420)	259570.34	4021884.01	122.04031	(19121004)
259570.34	4021904.01	127.49725	(19121004)	259570.34	4021924.01	134.40340	(19011001)
259570.34	4021944.01	141.14652	(22120403)	259570.34	4021964.01	147.10801	(22120403)
259570.34	4021984.01	151.89696	(19120404)	259570.34	4022004.01	157.90376	(19121302)
259570.34	4022024.01	165.30826	(19122119)	259590.34	4021844.01	116.04873	(19120324)
259590.34	4021864.01	121.30177	(19011418)	259590.34	4021884.01	126.61524	(19011418)
259590.34	4021904.01	131.25955	(19011420)	259590.34	4021924.01	137.66935	(19121004)
259590.34	4021944.01	144.90694	(19011001)	259590.34	4021964.01	152.18117	(22120403)
259590.34	4021984.01	159.99484	(22120403)	259590.34	4022004.01	165.47073	(19120404)
259590.34	4022024.01	172.35134	(19121302)	259610.34	4021844.01	120.63745	(19120324)
259610.34	4021864.01	125.69488	(19120324)	259610.34	4021884.01	128.80731	(19011418)
259610.34	4021904.01	136.56943	(19011418)	259610.34	4021924.01	142.27661	(19011420)
259610.34	4021944.01	148.74928	(19121004)	259610.34	4021964.01	156.39734	(19011001)
259610.34	4021984.01	164.60584	(19012008)	259610.34	4022004.01	174.89191	(22120403)
259610.34	4022024.01	181.16264	(19120404)	259630.34	4021844.01	124.17224	(22011623)
259630.34	4021864.01	127.71356	(19120324)	259630.34	4021884.01	135.41887	(19120324)

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        259630.34   4021904.01      140.43968  (19120324)                259630.34
4021924.01      146.85076  (19011418)
        259630.34   4021944.01      154.16034  (19011418)                259630.34
4021964.01      160.65423  (19121004)
        259630.34   4021984.01      169.39984  (19121004)                259630.34
4022004.01      180.32016  (19011001)
        259630.34   4022024.01      192.04207  (22120403)                259650.34
4021844.01      128.85124  (22021108)
        259650.34   4021864.01      133.87628  (22021108)                259650.34
4021884.01      139.01889  (22011623)
        259650.34   4021904.01      144.83167  (19120324)                259650.34
4021924.01      153.16028  (19120324)
        259650.34   4021944.01      157.83405  (19120324)                259650.34
4021964.01      168.28273  (19011418)
        259650.34   4021984.01      176.37271  (19011420)                259650.34
4022004.01      186.19194  (19121004)
        259650.34   4022024.01      198.41252  (19011001)                259670.34
4021844.01      128.49990  (19123018)
        259670.34   4021864.01      136.68233  (22021108)                259670.34
4021884.01      145.01073  (22021108)
        259670.34   4021904.01      151.08854  (22011623)                259670.34
4021924.01      157.17778  (22011623)
        259670.34   4021944.01      165.89826  (19120324)                259670.34
4021964.01      174.69788  (19120324)
        259670.34   4021984.01      183.13531  (19011418)                259670.34
4022004.01      193.95380  (19011420)
        259670.34   4022024.01      204.91252  (19121004)                259690.34
4021844.01      130.07150  (22020102)
        259690.34   4021864.01      135.28224  (19011802)                259690.34
4021884.01      144.56430  (19123018)
        259690.34   4021904.01      154.70397  (22021108)                259690.34
4021924.01      165.00489  (22021108)
        259690.34   4021944.01      172.67683  (22011623)                259690.34
4021964.01      179.67915  (22011623)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                  INCLUDING SOURCE(S):     L0000120    , L0000121
, L0000122    , L0000123    ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	192.14239	(19120324)	259690.34	4022004.01	201.09566	(19120324)
259690.34	4022024.01	214.95446	(19011418)	259710.34	4021844.01	133.91304	(19121224)
259710.34	4021864.01	140.76239	(22020102)	259710.34	4021884.01	147.66602	(22020102)
259710.34	4021904.01	153.32622	(19021101)	259710.34	4021924.01	164.35165	(19123018)
259710.34	4021944.01	177.20208	(22021108)	259710.34	4021964.01	190.20068	(22021108)
259710.34	4021984.01	200.02317	(22011623)	259710.34	4022004.01	209.36320	(19120324)
259710.34	4022024.01	225.48057	(19120324)	259730.34	4021844.01	136.11506	(19121224)
259730.34	4021864.01	144.70292	(19121224)	259730.34	4021884.01	152.48327	(19121224)
259730.34	4021904.01	159.43050	(22020102)	259730.34	4021924.01	169.25301	(22020102)
259730.34	4021944.01	177.17158	(22020102)	259730.34	4021964.01	189.22498	(19123018)
259730.34	4021984.01	205.94183	(22021108)	259730.34	4022004.01	222.79445	(22021108)
259730.34	4022024.01	235.57672	(22011623)	259750.34	4021844.01	139.24593	(19021222)
259750.34	4021864.01	145.86971	(22122606)	259750.34	4021884.01	154.42591	(22122606)
259750.34	4021904.01	163.36471	(19121224)	259750.34	4021924.01	174.72543	(19121224)
259750.34	4021944.01	184.87798	(19121224)	259750.34	4021964.01	196.12607	(22020102)
259750.34	4021984.01	208.18343	(22020102)	259750.34	4022004.01	221.74821	(19011802)
259750.34	4022024.01	243.70788	(22021108)	259770.34	4021844.01	141.43332	(19121719)
259770.34	4021864.01	149.47053	(19121719)	259770.34	4021884.01	158.50009	(19021222)
259770.34	4021904.01	167.64475	(19021222)	259770.34	4021924.01	176.18360	(22122606)
259770.34	4021944.01	188.31523	(22122606)	259770.34	4021964.01	201.41799	(19121224)
259770.34	4021984.01	217.09390	(19121224)	259770.34	4022004.01	230.84222	(19121224)
259770.34	4022024.01	248.73853	(22020102)	259790.34			

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4021844.01      139.52849  (22011902)
        259790.34   4021864.01      149.31267  (22011902)                259790.34
4021884.01      159.39588  (22011902)
        259790.34   4021904.01      169.62717  (22011902)                259790.34
4021924.01      181.04508  (19121719)
        259790.34   4021944.01      193.27307  (19021222)                259790.34
4021964.01      207.25047  (19021222)
        259790.34   4021984.01      220.58456  (19021222)                259790.34
4022004.01      237.31477  (22122606)
        259790.34   4022024.01      257.50854  (19121224)                259810.34
4021844.01      146.93531  (22012818)
        259810.34   4021864.01      155.05015  (22012818)                259810.34
4021884.01      163.41323  (22012818)
        259810.34   4021904.01      171.95508  (22012818)                259810.34
4021924.01      180.53891  (22012818)
        259810.34   4021944.01      192.81566  (22011902)                259810.34
4021964.01      208.83951  (22011902)
        259810.34   4021984.01      225.39872  (22011902)                259810.34
4022004.01      244.27204  (19121719)
        259810.34   4022024.01      265.34770  (19021222)                259830.34
4021844.01      145.72999  (22020823)
        259830.34   4021864.01      153.43178  (22020823)                259830.34
4021884.01      163.03630  (22012818)
        259830.34   4021904.01      174.94514  (22012818)                259830.34
4021924.01      187.78697  (22012818)
        259830.34   4021944.01      201.57617  (22012818)                259830.34
4021964.01      216.26660  (22012818)
        259830.34   4021984.01      231.82379  (22012818)                259830.34
4022004.01      248.12436  (22012818)
        259830.34   4022024.01      264.86961  (22012818)                259850.34
4021844.01      146.35392  (19122304)
        259850.34   4021864.01      155.23962  (19122304)                259850.34
4021884.01      164.89885  (19122304)
        259850.34   4021904.01      175.43400  (19122304)                259850.34
4021924.01      187.72146  (22020823)
        259850.34   4021944.01      201.30944  (22020823)                259850.34
4021964.01      216.21312  (22020823)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:33:02

                                    PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
                                    INCLUDING SOURCE(S):     L0000120    , L0000121
, L0000122    , L0000123    ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	232.60039	(22020823)	259850.34	4022004.01	250.62754	(22020823)
259850.34	4022024.01	274.28940	(22012818)	259870.34	4021844.01	152.63218	(19032801)
259870.34	4021864.01	160.70123	(19032801)	259870.34	4021884.01	169.49783	(19032801)
259870.34	4021904.01	179.16475	(19032801)	259870.34	4021924.01	190.42911	(19122219)
259870.34	4021944.01	204.13516	(19122219)	259870.34	4021964.01	219.45018	(19122219)
259870.34	4021984.01	236.65274	(19122219)	259870.34	4022004.01	256.04786	(19122219)
259870.34	4022024.01	278.11333	(19122219)	259890.34	4021844.01	167.10129	(19032801)
259890.34	4021864.01	176.88571	(19032801)	259890.34	4021884.01	187.68847	(19032801)
259890.34	4021904.01	199.73271	(19032801)	259890.34	4021924.01	213.17249	(19032801)
259890.34	4021944.01	228.19159	(19032801)	259890.34	4021964.01	245.11821	(19032801)
259890.34	4021984.01	264.31491	(19032801)	259890.34	4022004.01	286.23383	(19032801)
259890.34	4022024.01	311.44695	(19032801)	259910.34	4021844.01	165.94997	(22122422)
259910.34	4021864.01	175.60197	(22122422)	259910.34	4021884.01	186.24355	(22122422)
259910.34	4021904.01	198.06499	(22122422)	259910.34	4021924.01	211.44176	(19012205)
259910.34	4021944.01	226.42538	(19012205)	259910.34	4021964.01	243.28012	(19012205)
259910.34	4021984.01	262.72185	(19040721)	259910.34	4022004.01	285.98672	(19040721)
259910.34	4022024.01	312.76977	(19040721)	259930.34	4021844.01	168.89830	(19040721)
259930.34	4021864.01	178.78593	(19040721)	259930.34	4021884.01	189.59187	(19040721)
259930.34	4021904.01	201.43005	(19040721)	259930.34	4021924.01	214.43131	(19040721)
259930.34	4021944.01	229.61151	(19011317)	259950.34	4021844.01	170.67824	(19013017)

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        259950.34   4021864.01      182.39952  (19013017)                259950.34
4021884.01      195.10738  (19013017)
        259950.34   4021904.01      208.87486  (19013017)                259950.34
4021924.01      223.77097  (19013017)
        259950.34   4021944.01      239.85137  (19013017)                259970.34
4021844.01      173.83813  (19013017)
        259970.34   4021864.01      182.71096  (19013017)                259970.34
4021884.01      191.83445  (19013017)
        259970.34   4021904.01      201.11665  (19013017)                259970.34
4021924.01      210.43944  (19013017)
        259970.34   4021944.01      223.34351  (22043002)                259990.34
4021844.01      163.06318  (22043002)
        259990.34   4021864.01      172.06536  (22043002)                259990.34
4021884.01      183.26192  (22120420)
        259990.34   4021904.01      196.24057  (22120420)                259990.34
4021924.01      209.46447  (22120420)
        259990.34   4021944.01      222.63933  (22120420)                260122.80
4022046.18      243.13806  (18022518)
        260142.80   4022066.18      249.66092  (18021908)                260142.80
4022086.18      261.49268  (18021908)
        260142.80   4022106.18      274.83951  (22011717)                260142.80
4022126.18      291.69676  (18022108)
        260142.80   4022146.18      308.72843  (20120518)                260142.80
4022166.18      323.37145  (20020819)
        260162.80   4022066.18      234.70191  (18021908)                260162.80
4022086.18      246.32792  (22011717)
        260162.80   4022106.18      260.16381  (18022108)                260162.80
4022126.18      273.94726  (20120518)
        260162.80   4022146.18      286.77160  (20010617)                260162.80
4022166.18      298.00965  (18010923)
        260182.80   4022066.18      222.42641  (22011717)                260182.80
4022086.18      233.46888  (18022108)
        260182.80   4022106.18      244.91484  (21022220)                260182.80
4022126.18      256.43381  (20010617)
        260182.80   4022146.18      266.67139  (21021523)                260182.80
4022166.18      290.41892  (21020822)
        260202.80   4022066.18      210.69602  (18022108)                260202.80
4022086.18      220.74011  (21022220)
        260202.80   4022106.18      229.57140  (20120518)                260202.80
4022126.18      239.38028  (20020819)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  IDLE     ***
```

INCLUDING SOURCE(S): L0000120 , L0000121 , L0000122 , L0000123 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	252.53816	(20121723)	260202.80	4022166.18	276.44158	(21020822)
260095.45	4022187.01	420.02445	(20010617)	260095.45	4022207.01	444.82552	(20120905)
260095.45	4022227.01	504.34483	(18020519)	260095.45	4022247.01	546.49585	(21011717)
260095.45	4022267.01	558.07082	(20021318)	260115.45	4022187.01	383.45337	(21021523)
260115.45	4022207.01	427.73833	(21020822)	260115.45	4022227.01	470.82757	(21011717)
260115.45	4022247.01	475.14046	(21120903)	260115.45	4022267.01	494.36454	(21120119)
260135.45	4022187.01	357.83196	(20121723)	260135.45	4022207.01	393.01436	(18020519)
260135.45	4022227.01	426.51905	(21011717)	260135.45	4022247.01	427.05726	(18123017)
260135.45	4022267.01	436.86739	(18022023)	260155.45	4022187.01	343.26210	(21020822)
260155.45	4022207.01	371.03355	(21011717)	260155.45	4022227.01	372.01985	(21011717)
260155.45	4022247.01	386.64414	(20021318)	260155.45	4022267.01	393.46902	(18022023)
260175.45	4022187.01	318.04980	(18020519)	260175.45	4022207.01	344.47288	(21011717)
260175.45	4022227.01	342.48445	(21120903)	260175.45	4022247.01	352.73316	(21120119)
260175.45	4022267.01	358.37015	(18120120)	260195.45	4022187.01	302.43215	(21011717)
260195.45	4022207.01	309.54353	(21011717)	260195.45	4022227.01	313.93930	(18123017)
260195.45	4022247.01	322.06414	(21120119)	260195.45	4022267.01	327.42524	(18120120)
260063.43	4022072.23	303.88321	(20022624)	260063.43	4022092.23	330.81304	(21021020)
260063.43	4022112.23	354.56157	(18011105)	260083.43	4022072.23	292.71114	(20010417)
260083.43	4022092.23	310.96518	(18022518)	260083.43			

4022112.23   338.18089 (21021019)
        260103.43   4022072.23   276.49539 (18022518)   260103.43
4022092.23   297.67558 (21021019)
        260103.43   4022112.23   323.00875 (18021908)   260243.42
4022062.81   189.55549 (20120518)
        260243.42   4022082.81   196.86085 (20010617)   260243.42
4022102.81   203.46179 (21021523)
        260243.42   4022122.81   213.64963 (20121723)   260243.42
4022142.81   232.28522 (21020822)
        260243.42   4022162.81   244.27820 (21011717)   260243.42
4022182.81   254.42144 (21011717)
        260243.42   4022202.81   253.91595 (21120903)   260243.42
4022222.81   259.87015 (20021318)
        260243.42   4022242.81   262.80796 (18022023)   260243.42
4022262.81   266.93764 (20122623)
        260243.42   4022282.81   273.00482 (18120317)   260243.42
4022302.81   280.55447 (18020518)
        260243.42   4022322.81   274.77850 (21122617)   260243.42
4022342.81   268.00543 (18012918)
        260243.42   4022362.81   262.82599 (19121406)   260243.42
4022382.81   265.90714 (19120317)
        260243.42   4022402.81   259.28745 (18010522)   260243.42
4022422.81   255.05828 (19010317)
        260263.42   4022362.81   245.14508 (19121406)   260263.42
4022382.81   245.83942 (19120317)
        260263.42   4022402.81   241.82204 (22021322)   260263.42
4022422.81   239.87406 (19010317)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0000094   , L0000095
, L0000096   , L0000097   , L0000098   ,
                 L0000099   , L0000100   , L0000101   , L0000102   , L0000103
, L0000104   , L0000105   , L0000106   ,
                 L0000107   , L0000108   , L0000109   , L0000110   , L0000111
, L0000112   , L0000113   , L0000114   ,
                 L0000115   , L0000116   , L0000117   , L0000118   , L0000119
, L0000120   , L0000121   , . . .   ,

                                   *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3

**

Y-COORD (METERS)	X-COORD (METERS)				
	259429.52	259488.16	259546.80	259605.44	259664.08
4022693.1	251.91841 (22123005)	278.12109 (19120623)	310.47511 (19011217)	341.60489 (18120908)	396.58000 (20011619)
4022649.6	269.08301 (18012217)	298.89511 (22123005)	333.77475 (18121617)	376.57297 (19011217)	417.73275 (22011520)
4022606.1	280.33992 (22011919)	323.54393 (18012217)	365.19344 (21012117)	413.50518 (18021108)	472.21869 (22122617)
4022562.6	287.57725 (22120319)	341.69358 (22011919)	403.54611 (18012217)	469.56818 (21012117)	544.14697 (18021108)
4022519.1	295.83421 (22120404)	339.86719 (19012217)	434.15517 (19122702)	510.21846 (18012217)	588.64682 (21012117)
4022475.5	300.94695 (22123002)	351.75942 (19120121)	423.75803 (22120404)	506.45957 (22120319)	631.69705 (18020808)
4022432.0	304.45801 (22021923)	359.65610 (22120104)	434.89499 (22122918)	538.16982 (22120303)	689.07700 (22120404)
4022388.5	310.71032 (19122018)	368.99835 (22011521)	446.69292 (19021306)	555.66239 (22021923)	723.93415 (22122918)
4022345.0	313.97190 (19120421)	373.28115 (19120421)	454.15602 (19120421)	569.45504 (19120421)	744.01903 (19120421)
4022301.5	319.11202 (19121322)	379.10493 (22021408)	460.46850 (22021408)	574.32863 (22011604)	750.30070 (19013121)
4022257.9	314.68292 (19120807)	372.42779 (22021024)	447.06028 (19010722)	564.97714 (19010722)	735.59988 (22021808)
4022214.4	311.75546 (19010722)	369.39388 (22021808)	436.16112 (22021401)	540.19103 (19120908)	692.50870 (22021418)
4022170.9	302.26882 (19122221)	355.14184 (19120908)	426.18410 (22021418)	508.64094 (19010721)	616.23266 (19120420)
4022127.4	293.65483 (22021418)	342.34882 (22021618)	398.20680 (19013020)	461.06280 (19120420)	551.05295 (19122119)
4022083.9	286.68988 (19010721)	323.63823 (19013020)	364.88915 (19120420)	428.29411 (22010517)	492.64294 (19120404)
4022040.3	328.50878 (22022618)	350.65763 (22011708)	373.64914 (22010517)	406.58156 (19122503)	462.76136 (19011001)
4021996.8	275.09644 (19120919)	311.15332 (22010517)	336.71971 (19022324)	382.20067 (22120403)	417.09777 (19011420)
4021953.3	257.48577 (22010517)	277.89021 (19122119)	305.26659 (19120404)	332.89320 (19011001)	368.24209 (19120324)
4021909.8	235.61781 (19122119)	252.57992 (19121302)	278.88564 (22120403)	300.93894 (19011420)	328.51566 (22011623)
4021866.3	217.14802 (19121302)	239.21518 (22120403)	253.64998 (19121004)	273.57151 (19120324)	299.59846 (22021108)
4021822.7	204.31323 (19120404)	220.14881 (19011001)	233.87528 (19011418)	249.59441 (19120324)	263.07970 (19011802)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	259722.72	259781.36	259840.00	259898.64	259957.28
4022693.1	450.30635 (21020518)	480.04185 (21121224)	507.41079 (18020908)	489.90582 (18011807)	472.00650 (20022519)
4022649.6	511.92738 (20120717)	555.81546 (21020904)	595.76066 (18020908)	575.21406 (18011807)	555.57956 (20022519)
4022606.1	577.83424 (20011619)	664.14667 (20022719)	706.56394 (21022108)	690.54304 (18011807)	653.72842 (20020119)
4022562.6	629.99294 (22021224)	792.41831 (21020518)	871.99703 (21022108)	855.51010 (18120108)	800.10958 (21010324)
4022519.1	704.82757 (19011217)	963.72756 (20120717)	1112.50566 (20022518)	1111.82722 (18120108)	1003.65000 (21021708)
4022475.5	815.45122 (21012117)	1042.90053 (18120908)	1408.51020 (21122218)	1474.97267 (18120108)	1296.46643 (18010820)
4022432.0	912.07055 (22011919)	1286.31168 (21012117)	1958.37743 (20122601)	2328.39771 (18091007)	1795.59602 (19121121)
4022388.5	1004.18159 (22120303)	1531.61625 (22120319)	2737.29070 (20020717)	4449.35557 (18091007)	2578.81401 (19010818)
4022345.0	1044.33573 (19120922)	1693.74501 (19010417)	4620.53502 (21120509)	6877.48244 (21102017)	3591.38322 (19010317)
4022301.5	1055.65301 (22021024)	1701.47919 (22021808)	3545.30886 (19121023)		

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  5384.17765 (21032907)   3514.82690 (18013117)
 4022257.9 |   1006.84459 (19120804)   1477.32205 (19013020)   2546.35266 (19010924)
  2865.40576 (22122422)   2397.66931 (18021908)
 4022214.4 |    888.13346 (19120420)   1215.40605 (19122503)   1733.36951 (22021108)
  1893.21287 (22122422)   1734.26877 (19122302)
 4022170.9 |    776.77412 (19122119)    985.67306 (19011420)   1196.77608 (19121224)
  1354.68321 (22122422)   1271.66209 (19041320)
 4022127.4 |    676.66474 (22120403)    802.03088 (22011623)    911.20919 (19121719)
  1029.97117 (22122422)    982.66966 (22122801)
 4022083.9 |    574.87754 (19011420)    658.36872 (19123018)    715.52204 (22012818)
   818.41972 (22122422)    791.53616 (19011803)
 4022040.3 |    504.25585 (19120324)    553.53696 (19011419)    600.87714 (22012818)
   672.11368 (22122422)    660.65439 (22120420)
 4021996.8 |    470.84961 (22021108)    495.07911 (19121224)    526.34497 (22012818)
   590.04038 (22122422)    580.50279 (19013017)
 4021953.3 |    394.80776 (19123018)    424.89774 (19021222)    439.85311 (22020823)
   497.76250 (22122422)    510.11098 (19013017)
 4021909.8 |    348.41934 (22020102)    369.73807 (19121719)    382.41098 (22020823)
   429.72138 (22122422)    450.89764 (19013017)
 4021866.3 |    312.45645 (19121224)    324.33523 (22011902)    335.37613 (22020823)
   377.41204 (19032801)    399.20408 (19013017)
 4021822.7 |    277.59924 (19121224)    285.03819 (22011902)    297.43997 (19122304)
   335.77340 (19032801)    354.08867 (19013017)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:33:02

                                   PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                 L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                 L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                 L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       260015.92              260074.56              260133.20
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     260191.84              260250.48
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    442.67123 (20021704)    415.95285 (18013018)    398.80640 (22011117)
   388.52770 (22120417)    363.73796 (19010818)
 4022649.6 |    513.32184 (20010317)    483.38458 (22122305)    465.44779 (22011217)
   436.04024 (19123120)    432.81128 (22021219)
 4022606.1 |    598.23772 (20013119)    560.69791 (22011117)    543.18585 (22120417)
   507.41779 (22021219)    387.46418 (22122906)
 4022562.6 |    719.22793 (22122305)    666.64183 (22011217)    607.05268 (19011117)
   481.56756 (22122906)    407.49460 (19021520)
 4022519.1 |    896.54529 (19021720)    939.67734 (22122009)    630.95909 (22122906)
   514.51409 (19121021)    429.64493 (19012317)
 4022475.5 |   1104.96298 (22120417)    887.85487 (22122906)    682.70096 (19022319)
   563.57902 (19012317)    449.66553 (19120524)
 4022432.0 |   1294.24746 (22021219)    966.10123 (19022319)    732.72510 (18020418)
   578.25595 (22021020)    470.20159 (19011018)
 4022388.5 |   1591.95113 (19012317)   1068.97522 (18010717)    781.56031 (19010317)
   595.18055 (22021322)    480.79874 (19120317)
 4022345.0 |   1697.85286 (19120317)   1103.56424 (19121406)    794.38329 (19121406)
   607.35186 (19121406)    484.24310 (22032621)
 4022301.5 |   1699.06405 (18120120)   1127.91608 (21021921)    802.54525 (18120317)
   625.45882 (18020518)    505.30407 (18020518)
 4022257.9 |   1516.86633 (21020822)   1083.36734 (21011717)    783.67103 (20021318)
   598.58055 (18022023)    484.48219 (20122623)
 4022214.4 |   1249.55442 (22011717)    935.28142 (21021523)    763.82602 (21011717)
   582.57285 (21120903)    476.56918 (20021318)
 4022170.9 |   1007.38668 (18011105)    836.01844 (18022108)    652.03198 (20020819)
   554.41668 (21020822)    477.17529 (21011717)
 4022127.4 |    836.72471 (22021921)    730.48277 (18021908)    598.61209 (18022108)
   492.44487 (20020819)    431.01261 (21020822)
 4022083.9 |    712.29660 (19031519)    638.20643 (20010417)    550.07723 (18021908)
   459.54098 (18022108)    391.70657 (20020819)
 4022040.3 |    613.89018 (22122620)    563.47885 (20022624)    487.31226 (20121118)
   421.97961 (22011717)    371.16781 (18022108)
 4021996.8 |    574.73249 (19041320)    545.73768 (19122302)    470.92054 (20010417)
   424.65777 (18021908)    383.95226 (22011717)
 4021953.3 |    501.15972 (22122801)    475.90176 (19031519)    413.19043 (20022624)
   373.70737 (18022518)    347.64114 (18021908)
 4021909.8 |    443.15203 (19011803)    430.06871 (22040719)    381.17680 (22042423)
   340.45762 (20010417)    311.48356 (21021019)
 4021866.3 |    403.59651 (19011803)    388.03962 (19041320)    345.82285 (19121401)
   309.09480 (20022624)    284.41639 (18011105)
 4021822.7 |    374.16503 (22120420)    352.83475 (22121208)    316.28859 (19031519)
   290.03192 (22021921)    265.25584 (21021020)
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↑ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:33:02
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260309.12	260367.76	260426.40	260485.04	260543.68
4022693.1	338.48628 (19011819)	280.96230 (22022823)	247.37601 (22121720)	222.59814 (19022319)	200.55238 (19010901)
4022649.6	336.21828 (22122818)	285.08479 (22121720)	254.94688 (19022319)	226.52482 (19010901)	212.20668 (19012317)
4022606.1	335.74235 (22121720)	295.74252 (19022319)	263.80611 (19012317)	239.94560 (19012317)	211.29612 (18020418)
4022562.6	350.57662 (19010901)	316.14367 (19012317)	272.11497 (18020418)	240.24004 (19120524)	217.14337 (19042806)
4022519.1	373.72831 (19012317)	317.09771 (19120524)	279.29542 (19042806)	250.56999 (18010717)	221.11298 (19011018)
4022475.5	382.12506 (22021020)	330.95339 (18010717)	285.82811 (19011018)	254.04352 (19010317)	223.81709 (19010317)
4022432.0	396.01112 (19010317)	332.06791 (18010522)	290.00495 (22021322)	254.79803 (19012718)	227.42361 (19120317)
4022388.5	399.84622 (19120317)	335.88551 (19020105)	289.76024 (22120424)	252.05597 (22120424)	224.03106 (19122422)
4022345.0	400.68848 (18012918)	339.87933 (18012918)	293.35886 (18012918)	256.79511 (18012918)	227.45079 (18012918)
4022301.5	417.82354 (18020518)	352.22995 (18020518)	301.85198 (18020518)	262.38453 (18011424)	233.01781 (18011424)
4022257.9	405.87538 (21021921)	344.00088 (21021921)	298.61253 (18120317)	262.13563 (18120317)	230.92538 (18120317)
4022214.4	397.15180 (21120119)	336.15586 (18022023)	293.38085 (18120120)		

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 4022649.6 |    188.74598 (18020418)
 4022606.1 |    190.93139 (19120524)
 4022562.6 |    198.55066 (18010717)
 4022519.1 |    198.51740 (19011018)
 4022475.5 |    200.93546 (18010522)
 4022432.0 |    203.70846 (19120317)
 4022388.5 |    202.90895 (19121406)
 4022345.0 |    203.43721 (18012918)
 4022301.5 |    208.87495 (18011424)
 4022257.9 |    207.22405 (20121122)
 4022214.4 |    206.78100 (21021921)
 4022170.9 |    203.29124 (18120120)
 4022127.4 |    202.85578 (21120119)
 4022083.9 |    200.15955 (18123017)
 4022040.3 |    200.80634 (21011717)
 4021996.8 |    266.80469 (21011717)
 4021953.3 |    217.79875 (21020822)
 4021909.8 |    192.23747 (20121723)
 4021866.3 |    180.14124 (21021523)
 4021822.7 |    171.68544 (20010617)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       17:33:02

                                   PAGE 123
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                  L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                  L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                  L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        259632.90   4022073.46      440.72094  (19122503)               259632.90
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4022093.46 466.61170 (19122119)
259632.90 4022113.46 493.91971 (22010517) 259632.90
4022133.46 505.40506 (19120917)
259632.90 4022153.46 530.43083 (19120420) 259632.90
4022173.46 561.63635 (19013020)
259632.90 4022193.46 581.47981 (22021618) 259632.90
4022213.46 604.59070 (22021418)
259632.90 4022233.46 613.26302 (19120908) 259652.90
4022073.46 466.35442 (19120404)
259652.90 4022093.46 484.72535 (19022324) 259652.90
4022113.46 516.65231 (19122119)
259652.90 4022133.46 549.64848 (22010517) 259652.90
4022153.46 563.26994 (19120919)
259652.90 4022173.46 587.79447 (19120420) 259652.90
4022193.46 628.73053 (19012823)
259652.90 4022213.46 662.92322 (22021418) 259652.90
4022233.46 672.85397 (19120804)
259672.90 4022073.46 498.29495 (22120403) 259672.90
4022093.46 517.78650 (19120404)
259672.90 4022113.46 541.58671 (19022324) 259672.90
4022133.46 577.56429 (19122119)
259672.90 4022153.46 616.05206 (22010517) 259672.90
4022173.46 639.42166 (19120420)
259672.90 4022193.46 679.27205 (19013020) 259672.90
4022213.46 711.62575 (19010721)
259672.90 4022233.46 736.95227 (22021418) 259692.90
4022073.46 519.16206 (19011001)
259692.90 4022093.46 555.72545 (22120403) 259692.90
4022113.46 581.64442 (19120404)
259692.90 4022133.46 611.47938 (19022324) 259692.90
4022153.46 654.59606 (22010517)
259692.90 4022173.46 695.66083 (19120917) 259692.90
4022193.46 730.86312 (19120420)
259692.90 4022213.46 779.68348 (19013020) 259692.90
4022233.46 825.87857 (22021418)
259712.90 4022073.46 542.80038 (19011420) 259712.90
4022093.46 577.31197 (19011001)
259712.90 4022113.46 625.13334 (22120403) 259712.90
4022133.46 660.22986 (19120404)
259712.90 4022153.46 698.75579 (19022324) 259712.90
4022173.46 757.24993 (22010517)
259712.90 4022193.46 794.15468 (19120917) 259712.90
4022213.46 843.66573 (19013020)
259712.90 4022233.46 902.18447 (19010721) 259732.90
4022073.46 569.16187 (19120324)
259732.90 4022093.46 608.89319 (19011420) 259732.90
4022113.46 651.96236 (19121004)
259732.90 4022133.46 709.90424 (22120403) 259732.90
4022153.46 758.81387 (19120404)
259732.90 4022173.46 809.76384 (19022324) 259732.90

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4022193.46      887.05444  (22010517)
        259732.90   4022213.46      930.17914  (19120420)                259732.90
4022233.46     1006.16075  (19013020)
        259752.90   4022073.46      599.81953  (22011623)                259752.90
4022093.46      647.28140  (19120324)
        259772.90   4022073.46      629.63348  (22021108)                259772.90
4022093.46      690.17292  (22021108)
        259792.90   4022073.46      644.17348  (22020102)                259792.90
4022093.46      697.52461  (22020102)
        259812.90   4022073.46      664.02501  (19021222)                259812.90
4022093.46      729.09973  (19121224)
        259832.90   4022073.46      678.96649  (22011902)                259832.90
4022093.46      751.76203  (19121719)
        259920.63   4022125.03     1065.38228  (19013017)                259920.63
4022145.03     1199.79765  (19013017)
        259920.63   4022165.03     1362.89656  (19013017)                259940.63
4022105.03      893.40125  (22120420)
        259940.63   4022125.03      998.67571  (22120420)                259940.63
4022145.03     1114.54979  (22120420)
        259940.63   4022165.03     1264.35572  (19011803)                259960.63
4022105.03      865.52707  (22122801)
        259960.63   4022125.03      966.05567  (22122801)                259960.63
4022145.03     1073.08890  (22121208)
        259960.63   4022165.03     1211.68909  (19041320)                259980.63
4022105.03      843.08251  (19041320)
        259980.63   4022125.03      926.12063  (22040719)                259980.63
4022145.03     1023.58105  (22040719)
        259980.63   4022165.03     1134.61195  (22042423)                260000.63
4022105.03      803.53360  (22011724)
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                   PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
                L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260000.63	4022125.03	874.87245	(22042423)	260000.63	4022145.03	963.80686	(22042423)
260000.63	4022165.03	1040.57801	(20022624)	259550.34	4021844.01	244.07959	(19011420)
259550.34	4021864.01	253.44840	(19121004)	259550.34	4021884.01	263.62390	(19011001)
259550.34	4021904.01	277.27518	(19011001)	259550.34	4021924.01	291.41357	(22120403)
259550.34	4021944.01	302.81417	(22120403)	259550.34	4021964.01	314.07567	(19120404)
259550.34	4021984.01	327.42189	(19121302)	259550.34	4022004.01	346.42697	(19022324)
259550.34	4022024.01	371.26481	(19122119)	259570.34	4021844.01	250.84770	(19011418)
259570.34	4021864.01	260.51005	(19011420)	259570.34	4021884.01	269.40976	(19121004)
259570.34	4021904.01	281.79157	(19121004)	259570.34	4021924.01	297.67380	(19011001)
259570.34	4021944.01	313.35344	(22120403)	259570.34	4021964.01	328.34948	(22120403)
259570.34	4021984.01	341.27979	(19120404)	259570.34	4022004.01	358.49247	(19122503)
259570.34	4022024.01	384.29056	(19022324)	259590.34	4021844.01	255.88411	(19120324)
259590.34	4021864.01	266.60098	(19011418)	259590.34	4021884.01	278.52272	(19011418)
259590.34	4021904.01	289.82236	(19011420)	259590.34	4021924.01	303.70615	(19121004)
259590.34	4021944.01	320.82360	(19011001)	259590.34	4021964.01	338.28282	(22120403)
259590.34	4021984.01	358.05208	(22120403)	259590.34	4022004.01	374.53056	(19120404)
259590.34	4022024.01	397.78792	(19122503)	259610.34	4021844.01	264.55238	(19120324)
259610.34	4021864.01	275.93308	(19120324)	259610.34	4021884.01	282.70238	(19011418)
259610.34	4021904.01	299.59053	(19011418)	259610.34	4021924.01	313.39410	(19011420)
259610.34	4021944.01	327.83028	(19121004)	259610.34	4021964.01	346.62618	(19011001)
259610.34	4021984.01	367.01288	(19011001)	259610.34	4022004.01	394.03595	(22120403)

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        259610.34   4022024.01      416.01503  (19120404)                259630.34
4021844.01      271.51055  (22011623)
        259630.34   4021864.01      279.82216  (22021107)                259630.34
4021884.01      296.24214  (19120324)
        259630.34   4021904.01      308.21443  (19120324)                259630.34
4021924.01      321.56288  (19011418)
        259630.34   4021944.01      338.79348  (19011420)                259630.34
4021964.01      355.19541  (19010924)
        259630.34   4021984.01      376.01513  (19011001)                259630.34
4022004.01      404.91242  (19011001)
        259630.34   4022024.01      438.84768  (22120403)                259650.34
4021844.01      280.94103  (22021108)
        259650.34   4021864.01      292.59481  (22021108)                259650.34
4021884.01      303.37187  (22011623)
        259650.34   4021904.01      316.13032  (19120324)                259650.34
4021924.01      334.82809  (19120324)
        259650.34   4021944.01      347.34450  (19120324)                259650.34
4021964.01      369.11118  (19011418)
        259650.34   4021984.01      390.80757  (19011420)                259650.34
4022004.01      415.14789  (19121004)
        259650.34   4022024.01      451.59042  (19011001)                259670.34
4021844.01      279.58213  (19123018)
        259670.34   4021864.01      297.13864  (22021108)                259670.34
4021884.01      315.31643  (22021108)
        259670.34   4021904.01      329.64268  (22021108)                259670.34
4021924.01      342.80414  (22011623)
        259670.34   4021944.01      361.88936  (19120324)                259670.34
4021964.01      383.13260  (19120324)
        259670.34   4021984.01      402.15198  (19011418)                259670.34
4022004.01      432.00213  (19011420)
        259670.34   4022024.01      465.17507  (19010924)                259690.34
4021844.01      283.53313  (22020102)
        259690.34   4021864.01      294.15788  (19011802)                259690.34
4021884.01      313.48758  (19123018)
        259690.34   4021904.01      335.39743  (22021108)                259690.34
4021924.01      358.25801  (22021108)
        259690.34   4021944.01      376.43630  (22021108)                259690.34
4021964.01      392.87400  (22011623)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:33:02

                                  PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000094    , L0000095
, L0000096    , L0000097    , L0000098    ,
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                 L0000099    , L0000100    , L0000101    , L0000102    , L0000103
, L0000104    , L0000105    , L0000106    ,
                 L0000107    , L0000108    , L0000109    , L0000110    , L0000111
, L0000112    , L0000113    , L0000114    ,
                 L0000115    , L0000116    , L0000117    , L0000118    , L0000119
, L0000120    , L0000121    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        259690.34   4021984.01      421.16356  (19120324)               259690.34
4022004.01      446.91936  (19120324)
        259690.34   4022024.01      480.63253  (19011420)               259710.34
4021844.01      291.21072  (19121224)
        259710.34   4021864.01      304.78824  (22020102)               259710.34
4021884.01      320.49754  (22020102)
        259710.34   4021904.01      333.55629  (22020102)               259710.34
4021924.01      355.56897  (19123018)
        259710.34   4021944.01      383.83523  (22021108)               259710.34
4021964.01      413.65006  (22021108)
        259710.34   4021984.01      438.16923  (22021108)               259710.34
4022004.01      462.15431  (22021107)
        259710.34   4022024.01      504.48063  (19120324)               259730.34
4021844.01      293.81973  (19121224)
        259730.34   4021864.01      312.33866  (19121224)               259730.34
4021884.01      329.78663  (19121224)
        259730.34   4021904.01      345.41060  (19121224)               259730.34
4021924.01      366.05853  (22020102)
        259730.34   4021944.01      385.60859  (22020102)               259730.34
4021964.01      410.79584  (19011802)
        259730.34   4021984.01      448.03140  (22021108)               259730.34
4022004.01      490.03818  (22021108)
        259730.34   4022024.01      528.39582  (22021108)               259750.34
4021844.01      301.49198  (19021222)
        259750.34   4021864.01      314.79748  (19021222)               259750.34
4021884.01      332.60159  (22122606)
        259750.34   4021904.01      351.01820  (19121224)               259750.34
4021924.01      376.13317  (19121224)
        259750.34   4021944.01      399.96502  (19121224)               259750.34
4021964.01      423.69495  (22020102)
        259750.34   4021984.01      453.87140  (22020102)               259750.34
4022004.01      486.71361  (19011802)
        259750.34   4022024.01      542.19465  (22021108)               259770.34
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4021844.01      304.33131  (19121719)
        259770.34   4021864.01      321.95795  (19121719)                259770.34
4021884.01      340.56150  (19021222)
        259770.34   4021904.01      361.16889  (19021222)                259770.34
4021924.01      381.28838  (19021222)
        259770.34   4021944.01      404.62649  (22122606)                259770.34
4021964.01      432.64703  (19121224)
        259770.34   4021984.01      469.52008  (19121224)                259770.34
4022004.01      506.08554  (19011419)
        259770.34   4022024.01      550.17007  (22020102)                259790.34
4021844.01      302.53777  (22012818)
        259790.34   4021864.01      319.41078  (22011902)                259790.34
4021884.01      341.00200  (22011902)
        259790.34   4021904.01      363.44070  (22011902)                259790.34
4021924.01      387.75072  (19121719)
        259790.34   4021944.01      415.07583  (19121719)                259790.34
4021964.01      445.76012  (19021222)
        259790.34   4021984.01      478.83328  (19021222)                259790.34
4022004.01      513.67623  (22122606)
        259790.34   4022024.01      566.90743  (22022108)                259810.34
4021844.01      315.32627  (22012818)
        259810.34   4021864.01      333.05191  (22012818)                259810.34
4021884.01      351.69583  (22012818)
        259810.34   4021904.01      371.25399  (22012818)                259810.34
4021924.01      391.63709  (22012818)
        259810.34   4021944.01      412.75605  (22012818)                259810.34
4021964.01      445.39253  (22011902)
        259810.34   4021984.01      483.62386  (22011902)                259810.34
4022004.01      528.28902  (19121719)
        259810.34   4022024.01      580.08017  (19121719)                259830.34
4021844.01      314.30727  (22020823)
        259830.34   4021864.01      331.26137  (22020823)                259830.34
4021884.01      349.45900  (22020823)
        259830.34   4021904.01      371.56397  (22012818)                259830.34
4021924.01      399.06243  (22012818)
        259830.34   4021944.01      429.21594  (22012818)                259830.34
4021964.01      462.29595  (22012818)
        259830.34   4021984.01      498.87865  (22012818)                259830.34
4022004.01      539.82114  (22012818)
        259830.34   4022024.01      585.54844  (22012818)                259850.34
4021844.01      315.93329  (19122219)
        259850.34   4021864.01      332.83795  (19122219)                259850.34
4021884.01      352.92456  (19122304)
        259850.34   4021904.01      375.63620  (19122304)                259850.34
4021924.01      400.76482  (19122304)
        259850.34   4021944.01      429.07896  (22020823)                259850.34
4021964.01      462.27371  (22020823)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	500.08555	(22020823)	259850.34	4022004.01	544.02879	(22020823)
259850.34	4022024.01	595.50336	(22020823)	259870.34	4021844.01	334.42819	(19032801)
259870.34	4021864.01	352.31485	(19032801)	259870.34	4021884.01	371.95214	(19032801)
259870.34	4021904.01	393.74078	(19032801)	259870.34	4021924.01	418.01120	(19032801)
259870.34	4021944.01	445.26959	(19032801)	259870.34	4021964.01	476.00691	(19032801)
259870.34	4021984.01	511.13096	(19032801)	259870.34	4022004.01	551.73586	(19032801)
259870.34	4022024.01	604.49261	(19122219)	259890.34	4021844.01	356.05191	(19032801)
259890.34	4021864.01	376.26409	(19032801)	259890.34	4021884.01	398.61555	(19032801)
259890.34	4021904.01	423.62796	(19032801)	259890.34	4021924.01	451.66857	(19032801)
259890.34	4021944.01	483.21746	(19032801)	259890.34	4021964.01	519.11134	(19032801)
259890.34	4021984.01	560.46373	(19032801)	259890.34	4022004.01	608.64876	(19032801)
259890.34	4022024.01	664.91086	(19032801)	259910.34	4021844.01	351.35646	(19012205)

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        259910.34   4021864.01      371.18173  (19012205)               259910.34
4021884.01      393.85899  (19040721)
        259910.34   4021904.01      420.15731  (19040721)               259910.34
4021924.01      449.54665  (19040721)
        259910.34   4021944.01      482.66110  (19040721)               259910.34
4021964.01      520.36068  (19040721)
        259910.34   4021984.01      563.87747  (19040721)               259910.34
4022004.01      615.00082  (19040721)
        259910.34   4022024.01      675.48423  (19040721)               259930.34
4021844.01      359.40927  (19040721)
        259930.34   4021864.01      379.02079  (19040721)               259930.34
4021884.01      400.42582  (19040721)
        259930.34   4021904.01      426.80388  (19011317)               259930.34
4021924.01      456.33543  (19011317)
        259930.34   4021944.01      489.21981  (19011317)               259950.34
4021844.01      370.96232  (19013017)
        259950.34   4021864.01      394.01266  (19013017)               259950.34
4021884.01      418.87503  (19013017)
        259950.34   4021904.01      445.71396  (19013017)               259950.34
4021924.01      474.72081  (19013017)
        259950.34   4021944.01      506.16357  (19013017)               259970.34
4021844.01      371.90948  (19013017)
        259970.34   4021864.01      388.72015  (19013017)               259970.34
4021884.01      406.00963  (19013017)
        259970.34   4021904.01      423.70664  (19013017)               259970.34
4021924.01      443.69470  (19011201)
        259970.34   4021944.01      472.89366  (19011201)               259990.34
4021844.01      354.88988  (19011201)
        259990.34   4021864.01      373.21270  (22120420)               259990.34
4021884.01      396.92455  (22120420)
        259990.34   4021904.01      421.41659  (22120420)               259990.34
4021924.01      446.06058  (22120420)
        259990.34   4021944.01      471.28093  (19011803)               260122.80
4022046.18      503.60379  (18022518)
        260142.80   4022066.18      516.87063  (18021908)               260142.80
4022086.18      526.35651  (18021908)
        260142.80   4022106.18      544.98361  (22011717)               260142.80
4022126.18      574.96332  (18010706)
        260142.80   4022146.18      599.59546  (20120518)               260142.80
4022166.18      621.68392  (21021523)
        260162.80   4022066.18      479.58821  (18021908)               260162.80
4022086.18      494.53870  (22011717)
        260162.80   4022106.18      520.39278  (18022108)               260162.80
4022126.18      540.82846  (20120518)
        260162.80   4022146.18      559.16501  (20020819)               260162.80
4022166.18      581.14277  (20120905)
        260182.80   4022066.18      452.76231  (22011717)               260182.80
4022086.18      474.55120  (18022108)
        260182.80   4022106.18      489.46563  (20120518)               260182.80
4022126.18      505.46085  (20010617)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000094 , L0000095 , L0000096 , L0000097 , L0000098 ,
L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 ,
L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 ,
L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	497.26175	(20120905)	260202.80	4022166.18	530.44901	(21020822)
260095.45	4022187.01	792.50003	(20010617)	260095.45	4022207.01	835.50168	(20120905)
260095.45	4022227.01	914.20597	(18020519)	260095.45	4022247.01	956.03743	(21011717)
260095.45	4022267.01	963.83441	(20021318)	260115.45	4022187.01	722.98424	(21021523)
260115.45	4022207.01	792.03860	(21020822)	260115.45	4022227.01	852.77886	(21011717)
260115.45	4022247.01	843.59753	(21120903)	260115.45	4022267.01	859.32446	(21120119)
260135.45	4022187.01	681.85740	(21020822)	260135.45	4022207.01	731.57957	(18020519)
260135.45	4022227.01	771.15023	(21011717)	260135.45			

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4022247.01      764.09457  (18123017)
        260135.45   4022267.01      772.26992  (18022023)                260155.45
4022187.01      648.25837  (21020822)
        260155.45   4022207.01      692.46992  (21011717)                260155.45
4022227.01      681.15250  (21020823)
        260155.45   4022247.01      701.81318  (20021318)                260155.45
4022267.01      702.42790  (18120120)
        260175.45   4022187.01      605.08019  (18020519)                260175.45
4022207.01      639.92700  (21011717)
        260175.45   4022227.01      631.15364  (21120903)                260175.45
4022247.01      642.76584  (21120119)
        260175.45   4022267.01      648.47148  (18120120)                260195.45
4022187.01      578.06498  (21011717)
        260195.45   4022207.01      577.75367  (21011717)                260195.45
4022227.01      582.44238  (18123017)
        260195.45   4022247.01      589.94741  (21120119)                260195.45
4022267.01      596.57844  (18120120)
        260063.43   4022072.23      638.15263  (20022624)                260063.43
4022092.23      679.44048  (20010417)
        260063.43   4022112.23      719.82210  (18011105)                260083.43
4022072.23      600.91855  (20010417)
        260083.43   4022092.23      634.28033  (18022518)                260083.43
4022112.23      675.24386  (21021019)
        260103.43   4022072.23      567.20844  (20121118)                260103.43
4022092.23      598.00721  (21021019)
        260103.43   4022112.23      646.32331  (18021908)                260243.42
4022062.81      390.23392  (20120518)
        260243.42   4022082.81      398.31497  (20010617)                260243.42
4022102.81      407.70435  (21021523)
        260243.42   4022122.81      426.79293  (20120905)                260243.42
4022142.81      454.16539  (21020822)
        260243.42   4022162.81      478.04277  (21011717)                260243.42
4022182.81      485.87947  (21011717)
        260243.42   4022202.81      483.13882  (21120903)                260243.42
4022222.81      491.74355  (20021318)
        260243.42   4022242.81      492.41310  (18022023)                260243.42
4022262.81      496.53377  (20122623)
        260243.42   4022282.81      506.35081  (18120317)                260243.42
4022302.81      518.11878  (18020518)
        260243.42   4022322.81      506.27565  (21122617)                260243.42
4022342.81      496.64826  (18012918)
        260243.42   4022362.81      488.65608  (19121808)                260243.42
4022382.81      495.77140  (19120317)
        260243.42   4022402.81      486.55963  (18010522)                260243.42
4022422.81      483.45021  (19011018)
        260263.42   4022362.81      458.29692  (19121406)                260263.42
4022382.81      462.71365  (19120317)
        260263.42   4022402.81      456.34620  (22021322)                260263.42
4022422.81      456.61326  (19010317)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS DPM
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*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
GEN	1ST HIGHEST VALUE IS	0.03524	AT (260015.92, 4022214.42, 67.60, 67.60, 0.00)	GC	BKGND
	2ND HIGHEST VALUE IS	0.02922	AT (260015.92, 4022170.90, 67.60, 67.60, 0.00)	GC	BKGND
	3RD HIGHEST VALUE IS	0.02913	AT (260074.56, 4022170.90, 67.50, 67.50, 0.00)	GC	BKGND
	4TH HIGHEST VALUE IS	0.02658	AT (260074.56, 4022127.38, 67.60, 67.60, 0.00)	GC	BKGND
	5TH HIGHEST VALUE IS	0.02480	AT (260015.92, 4022257.94, 67.80, 67.80, 0.00)	GC	BKGND
	6TH HIGHEST VALUE IS	0.02466	AT (260083.43, 4022112.23, 67.74, 67.74, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.02429	AT (260074.56, 4022214.42, 67.60, 67.60, 0.00)	GC	BKGND
	8TH HIGHEST VALUE IS	0.02424	AT (260063.43, 4022112.23, 67.77, 67.77, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.02396	AT (260095.45, 4022187.01, 67.51, 67.51, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.02373	AT (260103.43, 4022112.23, 67.94, 67.94, 0.00)	DC	
OFFSITE	1ST HIGHEST VALUE IS	36.94796	AT (260015.92, 4021996.82, 67.70, 67.70, 0.00)	GC	BKGND
	2ND HIGHEST VALUE IS	35.40143	AT (260074.56, 4022040.34, 67.80, 67.80, 0.00)	GC	BKGND
	3RD HIGHEST VALUE IS	34.95119	AT (260074.56, 4021996.82, 67.80, 67.80, 0.00)	GC	BKGND
	4TH HIGHEST VALUE IS	34.85732	AT (259910.34, 4022024.01, 67.36, 67.36, 0.00)	DC	

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          5TH HIGHEST VALUE IS      34.22060 AT (  260063.43,  4022072.23,    67.92,
   67.92,    0.00)  DC
          6TH HIGHEST VALUE IS      33.62344 AT (  259890.34,  4022024.01,    67.31,
   67.31,    0.00)  DC
          7TH HIGHEST VALUE IS      33.16115 AT (  259840.00,  4022475.54,    68.20,
   68.20,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS      32.55639 AT (  259870.34,  4022024.01,    67.27,
   67.27,    0.00)  DC
          9TH HIGHEST VALUE IS      32.15600 AT (  260133.20,  4022562.58,    69.00,
   69.00,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS      31.66172 AT (  259850.34,  4022024.01,    67.27,
   67.27,    0.00)  DC

ONSITE    1ST HIGHEST VALUE IS     563.84677 AT (  259898.64,  4022344.98,    67.30,
   67.30,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     501.75866 AT (  259898.64,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     269.88648 AT (  259898.64,  4022257.94,    67.40,
   67.40,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     229.83934 AT (  259898.64,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     214.01152 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     204.93993 AT (  259840.00,  4022344.98,    67.30,
   67.30,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     200.16257 AT (  259957.28,  4022257.94,    67.50,
   67.50,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     198.89496 AT (  259840.00,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          9TH HIGHEST VALUE IS     136.62958 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS     123.69881 AT (  259957.28,  4022214.42,    67.40,
   67.40,    0.00)  GC  BKGND

IDLE      1ST HIGHEST VALUE IS     879.11547 AT (  259898.64,  4022344.98,    67.30,
   67.30,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     756.30970 AT (  259898.64,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     266.61422 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     245.71470 AT (  259957.28,  4022257.94,    67.50,
   67.50,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     174.29056 AT (  259840.00,  4022344.98,    67.30,
   67.30,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     149.74676 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     148.24945 AT (  259898.64,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     141.05699 AT (  259840.00,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
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*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

GROUP ID	NETWORK AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	1456.09334 AT (259898.64, 4022344.98, 67.30, 67.30, 0.00)	GC	BKGND
	2ND HIGHEST VALUE IS	1274.17614 AT (259898.64, 4022301.46, 67.30, 67.30, 0.00)	GC	BKGND
	3RD HIGHEST VALUE IS	500.21748 AT (259957.28, 4022301.46, 67.30, 67.30, 0.00)	GC	BKGND
	4TH HIGHEST VALUE IS	476.83500 AT (259957.28, 4022257.94, 67.50, 67.50, 0.00)	GC	BKGND
	5TH HIGHEST VALUE IS	433.81843 AT (259898.64, 4022257.94, 67.40, 67.40, 0.00)	GC	BKGND
	6TH HIGHEST VALUE IS	392.27968 AT (259898.64, 4022388.50, 67.20, 67.20, 0.00)	GC	BKGND
	7TH HIGHEST VALUE IS	389.91342 AT (259840.00, 4022344.98, 67.30, 67.30, 0.00)	GC	BKGND
	8TH HIGHEST VALUE IS	351.18271 AT (259840.00, 4022301.46, 67.30, 67.30, 0.00)	GC	BKGND
	9TH HIGHEST VALUE IS	302.51281 AT (259957.28, 4022344.98, 67.20, 67.20, 0.00)	GC	BKGND
	10TH HIGHEST VALUE IS	261.03656 AT (259957.28, 4022214.42, 67.40, 67.40, 0.00)	GC	BKGND

*** RECEPTOR TYPES: GC = GRIDCART
                     GP = GRIDPOLR

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
GEN HIGH 1ST HIGH VALUE IS	92.33087	ON 18061110:	AT (259957.28, 4022301.46, 67.30, 67.30, 0.00)	GC	BKGND
OFFSITE HIGH 1ST HIGH VALUE IS	182.74564	ON 21011602:	AT (260074.56, 4022040.34, 67.80, 67.80, 0.00)	GC	BKGND
ONSITE HIGH 1ST HIGH VALUE IS	1750.82253	ON 22041507:	AT (259898.64, 4022388.50, 67.20, 67.20, 0.00)	GC	BKGND
IDLE HIGH 1ST HIGH VALUE IS	5934.98105	ON 18091007:	AT (259898.64, 4022344.98, 67.30, 67.30, 0.00)	GC	BKGND
ALL HIGH 1ST HIGH VALUE IS	6877.48244	ON 21102017:	AT (259898.64, 4022344.98, 67.30, 67.30, 0.00)	GC	BKGND

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            3 Warning Message(s)
A Total of         1361 Informational Message(s)

A Total of        43824 Hours Were Processed

A Total of          680 Calm Hours Identified

A Total of          681 Missing Hours Identified (  1.55 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
SO W320     531        PPARM: Input Parameter May Be Out-of-Range for Parameter
      VS
ME W186     976       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187     976       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 7/18/2025
** File: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik Hanford_Ops
TOG\Maverik Hanford_Ops TOG.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Maverik Hanford_Ops TOG
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 59938 City_of_Hanford
   POLLUTID TOG
   RUNORNOT RUN
   ERRORFIL "Maverik Hanford_Ops TOG.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION FUEL         AREA       259970.030  4022299.460       67.290
** DESCRSRC Gasoline Fueling
** Source Parameters **
   SRCPARAM FUEL         0.0011372709     1.000    17.350    50.680     0.000
**
** No Building Downwash **
**
   URBANSRC ALL
   SRCGROUP FUEL     FUEL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
```

```
**************************************
**
**
RE STARTING
   INCLUDED "Maverik Hanford_Ops TOG.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
** Surface File Path: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\Met Data\
   SURFFILE "Met Data\Hanford_18-22.SFC"
** Profile File Path: C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\Met Data\
   PROFFILE "Met Data\Hanford_18-22.PFL"
   SURFDATA 53119 2018 Hanford
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\MAVERIK HANFORD_OPS TOG.AD\01H1GALL.PLT" 31
   PLOTFILE 1 FUEL 1ST "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\MAVERIK HANFORD_OPS TOG.AD\01H1G001.PLT" 32
   PLOTFILE PERIOD ALL "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\MAVERIK HANFORD_OPS TOG.AD\PE00GALL.PLT" 33
   PLOTFILE PERIOD FUEL "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik
Hanford_Ops TOG\MAVERIK HANFORD_OPS TOG.AD\PE00G001.PLT" 34
   SUMMFILE "C:\Lakes\AERMOD View\Projects\Maverik Hanford\Maverik Hanford_Ops
TOG\Maverik Hanford_Ops TOG.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
```

```
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 13.0.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 7/18/2025
** FILE: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK HANFORD_OPS
TOG\MAVERIK HANFORD_OPS TOG.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE MAVERIK HANFORD_OPS TOG
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 59938 CITY_OF_HANFORD
   POLLUTID TOG
   RUNORNOT RUN
   ERRORFIL "MAVERIK HANFORD_OPS TOG.ERR"
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
   LOCATION FUEL         AREA       259970.030  4022299.460       67.290
** DESCRSRC GASOLINE FUELING
** SOURCE PARAMETERS **
   SRCPARAM FUEL         0.0011372709     1.000    17.350    50.680     0.000
**
** NO BUILDING DOWNWASH **
**
   URBANSRC ALL
   SRCGROUP FUEL     FUEL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
```

```
**************************************
**
**
RE STARTING
   INCLUDED "MAVERIK HANFORD_OPS TOG.ROU"
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
** SURFACE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MET DATA\
   SURFFILE METDAT~1\HANFOR~1.SFC
** PROFILE FILE PATH: C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MET DATA\
   PROFFILE METDAT~1\HANFOR~1.PFL
   SURFDATA 53119 2018 HANFORD
   UAIRDATA 23230 2018 OAKLAND/WSO_AP
   PROFBASE 74.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 ALL 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MAVERIK HANFORD_OPS TOG.AD\01H1GALL.PLT" 31
   PLOTFILE   1 FUEL 1ST "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MAVERIK HANFORD_OPS TOG.AD\01H1G001.PLT" 32
   PLOTFILE   PERIOD ALL "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MAVERIK HANFORD_OPS TOG.AD\PE00GALL.PLT" 33
   PLOTFILE   PERIOD FUEL "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK
HANFORD_OPS TOG\MAVERIK HANFORD_OPS TOG.AD\PE00G001.PLT" 34
   SUMMFILE "C:\LAKES\AERMOD VIEW\PROJECTS\MAVERIK HANFORD\MAVERIK HANFORD_OPS
TOG\MAVERIK HANFORD_OPS TOG.SUM"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------
```

```
 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      70       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187      70       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                           ***       21:08:06

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for     1 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =     59938.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
```

```
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: TOG

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       2 Source Group(s); and     825
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  21112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    74.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.6 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out
```

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. (DEG.)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
FUEL	0	0.11373E-02	259970.0	4022299.5	67.3	1.00	17.35	50.68	0.00	0.00	YES	

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
FUEL	FUEL ,
ALL	FUEL ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs

59938.   FUEL   ,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: BKGND   ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

259429.5, 259488.2, 259546.8, 259605.4, 259664.1, 259722.7, 259781.4,
259840.0, 259898.6, 259957.3,
260015.9, 260074.6, 260133.2, 260191.8, 260250.5, 260309.1, 260367.8,
260426.4, 260485.0, 260543.7,
260602.3,

*** Y-COORDINATES OF GRID ***
(METERS)

4021822.7, 4021866.3, 4021909.8, 4021953.3, 4021996.8, 4022040.3, 4022083.9,
4022127.4, 4022170.9, 4022214.4,
4022257.9, 4022301.5, 4022345.0, 4022388.5, 4022432.0, 4022475.5, 4022519.1,
4022562.6, 4022606.1, 4022649.6,
4022693.1,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64	
4022693.14	67.50	67.50	67.50	67.40	67.60	67.40	67.80	68.20	67.60	
4022649.62	67.40	67.80	67.40	67.40	67.70	67.30	67.80	68.10	67.70	
4022606.10	67.40	67.50	67.40	67.30	67.60	67.40	67.70	67.90	68.00	
4022562.58	67.40	67.40	67.40	67.70	67.90	68.10	68.50	68.70	68.50	
4022519.06	67.60	68.00	68.20	68.40	68.40	68.40	68.10	67.90	67.60	
4022475.54	68.00	67.80	67.70	67.50	67.20	67.20	67.30	68.20	69.60	
4022432.02	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.90	
4022388.50	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.20	
4022344.98	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.30	67.30	
4022301.46	67.50	67.50	67.50	67.50	67.30	67.30	67.30	67.30	67.30	
4022257.94	67.30	67.30	67.30	67.30	67.40	67.30	67.30	67.30	67.40	
4022214.42	67.30	67.30	67.30	67.20	67.50	67.50	67.20	67.30	67.40	
4022170.90	67.30	67.30	67.30	67.30	67.30	67.20	67.20	67.30	67.40	
4022127.38	67.20	67.20	67.30	67.30	67.20	67.20	67.20	67.30	67.40	
4022083.86	67.10	67.30	67.30	67.30	66.50	67.10	67.20	67.30	67.30	
4022040.34	67.00	67.10	67.20	67.30	67.00	67.00	67.30	67.30	67.40	
4021996.82	66.90	66.90	67.00	67.20	67.40	67.40	67.40	67.20	67.40	
4021953.30	67.00	66.90	67.10	67.40	67.40	67.50	67.40	67.20	67.50	
4021909.78	66.90	66.90	66.90	67.00	67.20	67.30	67.40	67.20	67.30	

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)									
	259957.28	260015.92	260074.56	260133.20	260191.84	260250.48	260309.12	260367.76	260426.40	
4022693.14	67.50	69.80	71.70	69.00	67.70	67.90	68.50	68.40	68.50	
4022649.62	67.90	71.30	71.10	67.50	68.00	68.40	68.80	68.90	68.80	
4022606.10	68.60	68.90	69.70	68.10	68.50	68.40	68.20	68.00	67.90	
4022562.58	68.00	69.00	70.80	69.00	67.90	67.80	67.80	67.90	67.90	
4022519.06	66.60	69.30	73.30	68.30	67.80	67.80	67.80	67.90	67.90	
4022475.54	70.60	72.00	71.70	67.70	67.80	67.80	67.80	67.80	67.90	
4022432.02	68.90	70.20	70.20	67.80	67.80	67.90	67.90	67.90	67.90	
4022388.50	67.20	68.50	69.20	67.70	67.80	67.80	67.80	67.80	68.00	
4022344.98	67.20	68.20	68.50	67.60	67.60	67.80	67.90	67.70	67.70	
4022301.46	67.30	67.90	68.00	67.60	67.60	67.70	67.80	68.00	67.60	
4022257.94	67.50	67.80	67.80	67.70	67.70	67.60	67.80	67.80	67.80	
4022214.42	67.40	67.60	67.60	67.90	68.10	67.60	67.70	67.80	67.60	
4022170.90	67.40	67.60	67.50	68.00	68.20	67.70	67.60	67.80	67.80	
4022127.38	67.70	67.60	67.60	68.10	68.30					

*** NETWORK ID: BKGND   ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	68.10	69.00	69.20
4022649.62	68.80	68.80	68.70
4022606.10	68.00	68.10	68.30
4022562.58	67.80	68.30	68.40
4022519.06	67.80	68.10	68.30
4022475.54	67.70	67.90	68.00
4022432.02	67.70	68.00	68.00
4022388.50	67.80	68.00	67.90
4022344.98	68.00	67.90	68.10
4022301.46	67.80	68.00	67.90
4022257.94	67.60	67.90	68.10
4022214.42	67.90	67.80	68.20
4022170.90	67.90	67.90	68.10
4022127.38	67.70	68.00	67.90
4022083.86	67.70	67.80	67.80
4022040.34	67.70	67.70	67.70
4021996.82	68.00	67.80	67.90

4021953.30	67.90	67.60	68.00
4021909.78	67.50	68.20	68.30
4021866.26	67.30	67.80	67.70
4021822.74	67.10	66.80	67.10

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 259429.52	259488.16	259546.80	259605.44	259664.08	259722.72	259781.36	259840.00	259898.64
4022693.14	67.50	67.50	67.50	67.40	67.60	67.40	67.80	68.20	67.60
4022649.62	67.40	67.80	67.40	67.40	67.70	67.30	67.80	68.10	67.70
4022606.10	67.40	67.50	67.40	67.30	67.60	67.40	67.70	67.90	68.00
4022562.58	67.40	67.40	67.40	67.70	67.90	68.10	68.50	68.70	68.50
4022519.06	67.60	68.00	68.20	68.40	68.40	68.40	68.10	67.90	67.60
4022475.54	68.00	67.80	67.70	67.50	67.20	67.20	67.30	68.20	69.60
4022432.02	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.90
4022388.50	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.20	67.20
4022344.98	67.60	67.60	67.50	67.50	67.20	67.20	67.20	67.30	67.30
4022301.46	67.50	67.50	67.50	67.50	67.30	67.30	67.30	67.30	67.30
4022257.94	67.30	67.30	67.30	67.30	67.40	67.30	67.30	67.30	67.40
4022214.42	67.30	67.30	67.30	67.20	67.50	67.50	67.20	67.30	67.40
4022170.90	67.30	67.30	67.30	67.30	67.30	67.20	67.20	67.30	67.40
4022127.38	67.20	67.20	67.30	67.30	67.20				

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	259957.28	260015.92	260074.56	260133.20	260191.84	260250.48	260309.12	260367.76	260426.40
4022693.14	67.50	73.20	71.70	69.00	67.70	67.90	68.50	68.40	68.50
4022649.62	67.90	71.30	72.20	67.50	68.00	68.40	68.80	68.90	68.80
4022606.10	68.60	72.60	69.70	68.10	68.50	68.40	68.20	68.00	67.90
4022562.58	68.00	74.50	72.60	69.00	67.90	67.80	67.80	67.90	67.90
4022519.06	71.80	74.50	73.30	68.30	67.80	67.80	67.80	67.90	67.90
4022475.54	71.80	72.00	74.10	67.70	67.80	67.80	67.80	67.80	67.90
4022432.02	68.90	72.50	71.80	67.80	67.80	67.90	67.90	67.90	67.90
4022388.50	67.20	71.40	69.20	67.70	67.80	67.80	67.80	67.80	68.00

```
  4022344.98 |         67.20        68.20        68.50        67.60        67.60
   67.80        67.90        67.70        67.70
  4022301.46 |         67.30        67.90        68.00        67.60        67.60
   67.70        67.80        68.00        67.60
  4022257.94 |         67.50        67.80        67.80        67.70        67.70
   67.60        67.80        67.80        67.80
  4022214.42 |         67.40        67.60        67.60        67.90        68.10
   67.60        67.70        67.80        67.60
  4022170.90 |         67.40        67.60        67.50        68.00        68.20
   67.70        67.60        67.80        67.80
  4022127.38 |         67.70        67.60        67.60        68.10        68.30
   67.70        67.80        67.60        67.80
  4022083.86 |         67.50        67.60        68.00        68.20        68.30
   67.60        67.60        67.60        67.40
  4022040.34 |         67.40        67.60        67.80        67.90        68.00
   67.70        67.60        67.60        67.60
  4021996.82 |         67.40        67.70        67.80        67.90        67.70
   67.80        67.70        67.80        67.80
  4021953.30 |         67.40        67.70        68.00        68.00        67.50
   67.60        67.70        67.70        67.70
  4021909.78 |         67.50        67.90        68.00        67.90        67.40
   67.60        68.10        68.00        67.80
  4021866.26 |         67.40        67.80        68.00        67.90        67.30
   67.50        68.00        67.90        67.70
  4021822.74 |         67.50        68.00        68.00        67.80        67.20
   67.30        67.60        67.70        67.70
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                        ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       21:08:06

                                  PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** NETWORK ID: BKGND    ;  NETWORK TYPE: GRIDCART
***

                                                 * HILL HEIGHT SCALES IN METERS *

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |         68.10        69.00        69.20
  4022649.62 |         68.80        68.80        68.70
  4022606.10 |         68.00        68.10        68.30
  4022562.58 |         67.80        68.30        68.40
  4022519.06 |         67.80        68.10        68.30
  4022475.54 |         67.70        67.90        68.00
```

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     ( 259672.9, 4022193.5,      67.4,      67.4,       0.0);         ( 259672.9,
4022213.5,      67.5,      67.5,       0.0);
     ( 259672.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259692.9,
4022073.5,      66.7,      66.7,       0.0);
     ( 259692.9, 4022093.5,      67.0,      67.0,       0.0);         ( 259692.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259692.9, 4022133.5,      67.3,      67.3,       0.0);         ( 259692.9,
4022153.5,      67.4,      67.4,       0.0);
     ( 259692.9, 4022173.5,      67.4,      67.4,       0.0);         ( 259692.9,
4022193.5,      67.4,      67.4,       0.0);
     ( 259692.9, 4022213.5,      67.5,      67.5,       0.0);         ( 259692.9,
4022233.5,      67.6,      67.6,       0.0);
     ( 259712.9, 4022073.5,      67.1,      67.1,       0.0);         ( 259712.9,
4022093.5,      67.1,      67.1,       0.0);
     ( 259712.9, 4022113.5,      67.2,      67.2,       0.0);         ( 259712.9,
4022133.5,      67.2,      67.2,       0.0);
     ( 259712.9, 4022153.5,      67.3,      67.3,       0.0);         ( 259712.9,
4022173.5,      67.3,      67.3,       0.0);
     ( 259712.9, 4022193.5,      67.3,      67.3,       0.0);         ( 259712.9,
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     ( 259712.9, 4022233.5,      67.6,      67.6,       0.0);         ( 259732.9,
4022073.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022093.5,      67.2,      67.2,       0.0);         ( 259732.9,
4022113.5,      67.2,      67.2,       0.0);
     ( 259732.9, 4022133.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022153.5,      67.1,      67.1,       0.0);
     ( 259732.9, 4022173.5,      67.1,      67.1,       0.0);         ( 259732.9,
4022193.5,      67.3,      67.3,       0.0);
     ( 259732.9, 4022213.5,      67.4,      67.4,       0.0);         ( 259732.9,
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     ( 259772.9, 4022073.5,      67.2,      67.2,       0.0);         ( 259772.9,
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     ( 259812.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259812.9,
4022093.5,      67.3,      67.3,       0.0);
     ( 259832.9, 4022073.5,      67.3,      67.3,       0.0);         ( 259832.9,
4022093.5,      67.3,      67.3,       0.0);
     ( 259920.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259920.6,
4022145.0,      67.5,      67.5,       0.0);
     ( 259920.6, 4022165.0,      67.4,      67.4,       0.0);         ( 259940.6,
4022105.0,      67.6,      67.6,       0.0);
     ( 259940.6, 4022125.0,      67.7,      67.7,       0.0);         ( 259940.6,
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     ( 259940.6, 4022165.0,      67.5,      67.5,       0.0);         ( 259960.6,
4022105.0,      67.6,      67.6,       0.0);
     ( 259960.6, 4022125.0,      67.6,      67.6,       0.0);         ( 259960.6,
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     (259960.6, 4022165.0,   67.5,   67.5,   0.0);   (259980.6,
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4022105.0,   67.4,   67.4,   0.0);
     (260000.6, 4022125.0,   67.4,   67.4,   0.0);   (260000.6,
4022145.0,   67.5,   67.5,   0.0);
     (260000.6, 4022165.0,   67.5,   67.5,   0.0);   (259550.3,
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     (259550.3, 4021864.0,   67.0,   67.0,   0.0);   (259550.3,
4021884.0,   67.0,   67.0,   0.0);
     (259550.3, 4021904.0,   66.9,   66.9,   0.0);   (259550.3,
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     (259550.3, 4021944.0,   67.1,   67.1,   0.0);   (259550.3,
4021964.0,   67.1,   67.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (259550.3, 4021984.0,   66.9,   66.9,   0.0);   (259550.3,
4022004.0,   67.0,   67.0,   0.0);
     (259550.3, 4022024.0,   67.1,   67.1,   0.0);   (259570.3,
4021844.0,   66.7,   66.7,   0.0);
     (259570.3, 4021864.0,   66.7,   66.7,   0.0);   (259570.3,
4021884.0,   66.7,   66.7,   0.0);
     (259570.3, 4021904.0,   66.7,   66.7,   0.0);   (259570.3,
4021924.0,   66.9,   66.9,   0.0);
     (259570.3, 4021944.0,   67.1,   67.1,   0.0);   (259570.3,
4021964.0,   67.2,   67.2,   0.0);
     (259570.3, 4021984.0,   67.0,   67.0,   0.0);   (259570.3,
4022004.0,   67.1,   67.1,   0.0);
     (259570.3, 4022024.0,   67.2,   67.2,   0.0);   (259590.3,
4021844.0,   66.9,   66.9,   0.0);
     (259590.3, 4021864.0,   66.8,   66.8,   0.0);   (259590.3,
4021884.0,   66.8,   66.8,   0.0);
     (259590.3, 4021904.0,   66.9,   66.9,   0.0);   (259590.3,
4021924.0,   67.0,   67.0,   0.0);
     (259590.3, 4021944.0,   67.2,   67.2,   0.0);   (259590.3,
4021964.0,   67.3,   67.3,   0.0);
     (259590.3, 4021984.0,   67.1,   67.1,   0.0);   (259590.3,

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4022004.0,      67.2,      67.2,       0.0);
     ( 259590.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259610.3,
4021844.0,      67.0,      67.0,       0.0);
     ( 259610.3, 4021864.0,      67.0,      67.0,       0.0);         ( 259610.3,
4021884.0,      67.0,      67.0,       0.0);
     ( 259610.3, 4021904.0,      67.0,      67.0,       0.0);         ( 259610.3,
4021924.0,      67.1,      67.1,       0.0);
     ( 259610.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259610.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259610.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259610.3,
4022004.0,      67.2,      67.2,       0.0);
     ( 259610.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259630.3,
4021844.0,      67.1,      67.1,       0.0);
     ( 259630.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259630.3,
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     ( 259630.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259630.3,
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     ( 259630.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259630.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259630.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259630.3,
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     ( 259630.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259650.3,
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     ( 259650.3, 4021864.0,      67.1,      67.1,       0.0);         ( 259650.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259650.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259650.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259650.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259650.3,
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     ( 259650.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259650.3,
4022004.0,      67.3,      67.3,       0.0);
     ( 259650.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259670.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259670.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259670.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259670.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259670.3,
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     ( 259670.3, 4022024.0,      67.2,      67.2,       0.0);         ( 259690.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259690.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259690.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259690.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259690.3,
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     ( 259690.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259690.3,
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     (259690.3, 4022024.0,   67.2,   67.2,   0.0);   (259710.3,
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     (259710.3, 4021864.0,   67.4,   67.4,   0.0);   (259710.3,
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     (259710.3, 4021944.0,   67.4,   67.4,   0.0);   (259710.3,
4021964.0,   67.5,   67.5,   0.0);
     (259710.3, 4021984.0,   67.4,   67.4,   0.0);   (259710.3,
4022004.0,   67.4,   67.4,   0.0);
     (259710.3, 4022024.0,   67.3,   67.3,   0.0);   (259730.3,
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     (259730.3, 4021864.0,   67.4,   67.4,   0.0);   (259730.3,
4021884.0,   67.3,   67.3,   0.0);
     (259730.3, 4021904.0,   67.3,   67.3,   0.0);   (259730.3,
4021924.0,   67.4,   67.4,   0.0);
     (259730.3, 4021944.0,   67.5,   67.5,   0.0);   (259730.3,
4021964.0,   67.5,   67.5,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (259730.3, 4021984.0,   67.5,   67.5,   0.0);   (259730.3,
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     (259750.3, 4021864.0,   67.4,   67.4,   0.0);   (259750.3,
4021884.0,   67.4,   67.4,   0.0);
     (259750.3, 4021904.0,   67.4,   67.4,   0.0);   (259750.3,
4021924.0,   67.4,   67.4,   0.0);
     (259750.3, 4021944.0,   67.5,   67.5,   0.0);   (259750.3,
4021964.0,   67.5,   67.5,   0.0);
     (259750.3, 4021984.0,   67.5,   67.5,   0.0);   (259750.3,
4022004.0,   67.4,   67.4,   0.0);
     (259750.3, 4022024.0,   67.3,   67.3,   0.0);   (259770.3,
4021844.0,   67.4,   67.4,   0.0);
     (259770.3, 4021864.0,   67.4,   67.4,   0.0);   (259770.3,
4021884.0,   67.4,   67.4,   0.0);
     (259770.3, 4021904.0,   67.4,   67.4,   0.0);   (259770.3,
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     (259770.3, 4021944.0,   67.5,   67.5,   0.0);   (259770.3,

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     ( 259770.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259790.3,
4021844.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021864.0,      67.4,      67.4,       0.0);         ( 259790.3,
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     ( 259790.3, 4021904.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021924.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021944.0,      67.4,      67.4,       0.0);         ( 259790.3,
4021964.0,      67.4,      67.4,       0.0);
     ( 259790.3, 4021984.0,      67.4,      67.4,       0.0);         ( 259790.3,
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     ( 259790.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259810.3,
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     ( 259810.3, 4021864.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021884.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021904.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021924.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259810.3,
4021964.0,      67.3,      67.3,       0.0);
     ( 259810.3, 4021984.0,      67.3,      67.3,       0.0);         ( 259810.3,
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     ( 259810.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259830.3,
4021844.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259830.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259830.3, 4021944.0,      67.3,      67.3,       0.0);         ( 259830.3,
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     ( 259830.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259830.3,
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     ( 259830.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259850.3,
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     ( 259850.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021884.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021904.0,      67.2,      67.2,       0.0);         ( 259850.3,
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     ( 259850.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259850.3,
4021964.0,      67.2,      67.2,       0.0);
     ( 259850.3, 4021984.0,      67.2,      67.2,       0.0);         ( 259850.3,
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     ( 259850.3, 4022024.0,      67.3,      67.3,       0.0);         ( 259870.3,
4021844.0,      67.3,      67.3,       0.0);
     ( 259870.3, 4021864.0,      67.2,      67.2,       0.0);         ( 259870.3,
4021884.0,      67.1,      67.1,       0.0);
     ( 259870.3, 4021904.0,      67.1,      67.1,       0.0);         ( 259870.3,
4021924.0,      67.2,      67.2,       0.0);
     ( 259870.3, 4021944.0,      67.2,      67.2,       0.0);         ( 259870.3,
```

4021964.0,   67.3,   67.3,   0.0);
     (259870.3, 4021984.0,   67.3,   67.3,   0.0);   (259870.3,
4022004.0,   67.2,   67.2,   0.0);
     (259870.3, 4022024.0,   67.3,   67.3,   0.0);   (259890.3,
4021844.0,   67.3,   67.3,   0.0);
     (259890.3, 4021864.0,   67.2,   67.2,   0.0);   (259890.3,
4021884.0,   67.2,   67.2,   0.0);
     (259890.3, 4021904.0,   67.2,   67.2,   0.0);   (259890.3,
4021924.0,   67.3,   67.3,   0.0);
     (259890.3, 4021944.0,   67.4,   67.4,   0.0);   (259890.3,
4021964.0,   67.4,   67.4,   0.0);
     (259890.3, 4021984.0,   67.4,   67.4,   0.0);   (259890.3,
4022004.0,   67.3,   67.3,   0.0);
     (259890.3, 4022024.0,   67.3,   67.3,   0.0);   (259910.3,
4021844.0,   67.3,   67.3,   0.0);
     (259910.3, 4021864.0,   67.3,   67.3,   0.0);   (259910.3,
4021884.0,   67.2,   67.2,   0.0);
     (259910.3, 4021904.0,   67.3,   67.3,   0.0);   (259910.3,
4021924.0,   67.4,   67.4,   0.0);
     (259910.3, 4021944.0,   67.5,   67.5,   0.0);   (259910.3,
4021964.0,   67.5,   67.5,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (259910.3, 4021984.0,   67.5,   67.5,   0.0);   (259910.3,
4022004.0,   67.3,   67.3,   0.0);
     (259910.3, 4022024.0,   67.4,   67.4,   0.0);   (259930.3,
4021844.0,   67.3,   67.3,   0.0);
     (259930.3, 4021864.0,   67.3,   67.3,   0.0);   (259930.3,
4021884.0,   67.3,   67.3,   0.0);
     (259930.3, 4021904.0,   67.4,   67.4,   0.0);   (259930.3,
4021924.0,   67.4,   67.4,   0.0);
     (259930.3, 4021944.0,   67.5,   67.5,   0.0);   (259950.3,
4021844.0,   67.4,   67.4,   0.0);
     (259950.3, 4021864.0,   67.4,   67.4,   0.0);   (259950.3,
4021884.0,   67.4,   67.4,   0.0);
     (259950.3, 4021904.0,   67.4,   67.4,   0.0);   (259950.3,
4021924.0,   67.4,   67.4,   0.0);
     (259950.3, 4021944.0,   67.4,   67.4,   0.0);   (259970.3,
4021844.0,   67.5,   67.5,   0.0);
     (259970.3, 4021864.0,   67.5,   67.5,   0.0);   (259970.3,

```
4021884.0,      67.5,      67.5,       0.0);
     ( 259970.3, 4021904.0,      67.6,      67.6,       0.0);         ( 259970.3,
4021924.0,      67.6,      67.6,       0.0);
     ( 259970.3, 4021944.0,      67.5,      67.5,       0.0);         ( 259990.3,
4021844.0,      67.7,      67.7,       0.0);
     ( 259990.3, 4021864.0,      67.6,      67.6,       0.0);         ( 259990.3,
4021884.0,      67.6,      67.6,       0.0);
     ( 259990.3, 4021904.0,      67.8,      67.8,       0.0);         ( 259990.3,
4021924.0,      67.8,      67.8,       0.0);
     ( 259990.3, 4021944.0,      67.6,      67.6,       0.0);         ( 260122.8,
4022046.2,      68.0,      68.0,       0.0);
     ( 260142.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260142.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260142.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260142.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260142.8,
4022166.2,      68.1,      68.1,       0.0);
     ( 260162.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260162.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260162.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260162.8,
4022126.2,      68.3,      68.3,       0.0);
     ( 260162.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260162.8,
4022166.2,      68.3,      68.3,       0.0);
     ( 260182.8, 4022066.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022086.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022106.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022126.2,      68.2,      68.2,       0.0);
     ( 260182.8, 4022146.2,      68.2,      68.2,       0.0);         ( 260182.8,
4022166.2,      68.2,      68.2,       0.0);
     ( 260202.8, 4022066.2,      68.1,      68.1,       0.0);         ( 260202.8,
4022086.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022106.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022126.2,      68.4,      68.4,       0.0);
     ( 260202.8, 4022146.2,      68.4,      68.4,       0.0);         ( 260202.8,
4022166.2,      68.2,      68.2,       0.0);
     ( 260095.4, 4022187.0,      67.5,      67.5,       0.0);         ( 260095.4,
4022207.0,      67.5,      67.5,       0.0);
     ( 260095.4, 4022227.0,      67.6,      67.6,       0.0);         ( 260095.4,
4022247.0,      67.6,      67.6,       0.0);
     ( 260095.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022187.0,      67.6,      67.6,       0.0);
     ( 260115.4, 4022207.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022227.0,      67.6,      67.6,       0.0);
     ( 260115.4, 4022247.0,      67.6,      67.6,       0.0);         ( 260115.4,
4022267.0,      67.6,      67.6,       0.0);
     ( 260135.4, 4022187.0,      67.9,      67.9,       0.0);         ( 260135.4,
4022207.0,      67.9,      67.9,       0.0);
     ( 260135.4, 4022227.0,      67.8,      67.8,       0.0);         ( 260135.4,
4022247.0,      67.8,      67.8,       0.0);
     ( 260135.4, 4022267.0,      67.6,      67.6,       0.0);         ( 260155.4,
```

4022187.0,   68.1,   68.1,   0.0);
     (260155.4, 4022207.0,   68.1,   68.1,   0.0);   (260155.4,
4022227.0,   68.0,   68.0,   0.0);
     (260155.4, 4022247.0,   67.9,   67.9,   0.0);   (260155.4,
4022267.0,   67.7,   67.7,   0.0);
     (260175.4, 4022187.0,   68.1,   68.1,   0.0);   (260175.4,
4022207.0,   68.1,   68.1,   0.0);
     (260175.4, 4022227.0,   68.0,   68.0,   0.0);   (260175.4,
4022247.0,   67.9,   67.9,   0.0);
     (260175.4, 4022267.0,   67.7,   67.7,   0.0);   (260195.4,
4022187.0,   68.1,   68.1,   0.0);
     (260195.4, 4022207.0,   68.1,   68.1,   0.0);   (260195.4,
4022227.0,   68.0,   68.0,   0.0);
     (260195.4, 4022247.0,   67.8,   67.8,   0.0);   (260195.4,
4022267.0,   67.7,   67.7,   0.0);
     (260063.4, 4022072.2,   67.9,   67.9,   0.0);   (260063.4,
4022092.2,   67.9,   67.9,   0.0);
     (260063.4, 4022112.2,   67.8,   67.8,   0.0);   (260083.4,
4022072.2,   68.0,   68.0,   0.0);
     (260083.4, 4022092.2,   68.0,   68.0,   0.0);   (260083.4,
4022112.2,   67.7,   67.7,   0.0);
     (260103.4, 4022072.2,   68.1,   68.1,   0.0);   (260103.4,
4022092.2,   68.1,   68.1,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (260103.4, 4022112.2,   67.9,   67.9,   0.0);   (260243.4,
4022062.8,   67.7,   67.7,   0.0);
     (260243.4, 4022082.8,   67.7,   67.7,   0.0);   (260243.4,
4022102.8,   67.8,   67.8,   0.0);
     (260243.4, 4022122.8,   67.8,   67.8,   0.0);   (260243.4,
4022142.8,   67.8,   67.8,   0.0);
     (260243.4, 4022162.8,   67.8,   67.8,   0.0);   (260243.4,
4022182.8,   67.6,   67.6,   0.0);
     (260243.4, 4022202.8,   67.6,   67.6,   0.0);   (260243.4,
4022222.8,   67.5,   67.5,   0.0);
     (260243.4, 4022242.8,   67.5,   67.5,   0.0);   (260243.4,
4022262.8,   67.5,   67.5,   0.0);
     (260243.4, 4022282.8,   67.6,   67.6,   0.0);   (260243.4,
4022302.8,   67.7,   67.7,   0.0);
     (260243.4, 4022322.8,   67.7,   67.7,   0.0);   (260243.4,

4022342.8,   67.8,   67.8,   0.0);
     (260243.4, 4022362.8,   67.8,   67.8,   0.0);   (260243.4,
4022382.8,   67.8,   67.8,   0.0);
     (260243.4, 4022402.8,   67.9,   67.9,   0.0);   (260243.4,
4022422.8,   67.9,   67.9,   0.0);
     (260263.4, 4022362.8,   67.8,   67.8,   0.0);   (260263.4,
4022382.8,   67.8,   67.8,   0.0);
     (260263.4, 4022402.8,   67.8,   67.8,   0.0);   (260263.4,
4022422.8,   67.8,   67.8,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                              *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                   (1=YES; 0=NO)

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

                NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,

```
 *** AERMET - VERSION  21112 ***   ***
                        ***       21:08:06

                                  PAGE  18
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                    *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file:   METDAT~1\HANFOR~1.SFC
                 Met Version:  21112
   Profile file:   METDAT~1\HANFOR~1.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:    53119                 Upper air station no.:    23230
                  Name: HANFORD                                    Name:
OAKLAND/WSO_AP
                  Year:   2018                                     Year:   2018

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN
ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
 18 01 01   1 01  -10.1  0.132 -9.000 -9.000 -999.  115.     20.6  0.04   0.81
1.00    2.01  337.   10.0  278.8    2.0
 18 01 01   1 02   -4.0  0.082 -9.000 -9.000 -999.   57.     12.5  0.03   0.81
1.00    1.31   69.   10.0  276.4    2.0
 18 01 01   1 03   -4.1  0.082 -9.000 -9.000 -999.   56.     12.0  0.02   0.81
1.00    1.40  246.   10.0  275.4    2.0
 18 01 01   1 04   -4.5  0.085 -9.000 -9.000 -999.   60.     12.4  0.02   0.81
1.00    1.47  266.   10.0  275.4    2.0
 18 01 01   1 05   -7.2  0.111 -9.000 -9.000 -999.   88.     17.0  0.04   0.81
1.00    1.71  330.   10.0  275.9    2.0
 18 01 01   1 06   -3.3  0.074 -9.000 -9.000 -999.   48.     11.1  0.02   0.81
1.00    1.23  241.   10.0  274.2    2.0
 18 01 01   1 07   -5.4  0.093 -9.000 -9.000 -999.   68.     13.5  0.02   0.81
1.00    1.62  176.   10.0  274.9    2.0
 18 01 01   1 08   -7.2  0.111 -9.000 -9.000 -999.   89.     17.2  0.03   0.81
0.64    1.77  114.   10.0  274.9    2.0
 18 01 01   1 09    7.8  0.118  0.205  0.006   40.   97.    -19.1  0.02   0.81
0.35    1.60  153.   10.0  277.0    2.0
 18 01 01   1 10   50.9  0.142  0.637  0.006  183.  128.     -5.1  0.02   0.81
0.26    1.64  201.   10.0  280.9    2.0
 18 01 01   1 11   82.6  0.123  1.024  0.016  471.  103.     -2.0  0.04   0.81
0.22    1.08   31.   10.0  284.9    2.0
 18 01 01   1 12   99.0  0.150  1.153  0.017  561.  139.     -3.1  0.03   0.81
```

```
0.21    1.50   62.   10.0  286.1    2.0
 18 01 01   1 13   99.9  0.149  1.209  0.019  640.  138.     -3.0  0.04   0.81
0.21    1.42  356.   10.0  287.5    2.0
 18 01 01   1 14   85.6  0.161  1.192  0.019  714.  156.     -4.4  0.02   0.81
0.22    1.93  293.   10.0  289.9    2.0
 18 01 01   1 15   55.9  0.189  1.041  0.019  728.  198.    -11.0  0.02   0.81
0.25    2.49  296.   10.0  290.4    2.0
 18 01 01   1 16   13.6  0.148  0.651  0.019  731.  136.    -21.3  0.02   0.81
0.34    1.98  328.   10.0  289.2    2.0
 18 01 01   1 17   -3.7  0.082 -9.000 -9.000 -999.   57.     13.4  0.04   0.81
0.61    1.26  340.   10.0  285.9    2.0
 18 01 01   1 18   -5.8  0.098 -9.000 -9.000 -999.   73.     14.4  0.02   0.81
1.00    1.67  230.   10.0  283.1    2.0
 18 01 01   1 19   -2.9  0.070 -9.000 -9.000 -999.   45.     11.0  0.02   0.81
1.00    1.13  202.   10.0  281.4    2.0
 18 01 01   1 20   -4.9  0.090 -9.000 -9.000 -999.   65.     13.7  0.03   0.81
1.00    1.45  110.   10.0  279.9    2.0
 18 01 01   1 21   -2.2  0.065 -9.000 -9.000 -999.   40.     11.6  0.03   0.81
1.00    0.89  107.   10.0  278.8    2.0
 18 01 01   1 22   -2.4  0.070 -9.000 -9.000 -999.   44.     12.8  0.06   0.81
1.00    0.87   15.   10.0  279.9    2.0
 18 01 01   1 23   -3.2  0.075 -9.000 -9.000 -999.   49.     11.8  0.03   0.81
1.00    1.16   85.   10.0  279.2    2.0
 18 01 01   1 24   -4.9  0.091 -9.000 -9.000 -999.   66.     14.1  0.04   0.81
1.00    1.40   53.   10.0  277.5    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01   10.0 1  337.    2.01   278.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        21:08:06

                                   PAGE  19
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL      ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                    **
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```
    Y-COORD  |                                                  X-COORD (METERS)
    (METERS) |     259429.52    259488.16    259546.80    259605.44    259664.08
259722.72    259781.36    259840.00    259898.64
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       2.52931      2.79625      3.08347      3.39723      3.74150
 4.24440      5.06074      5.79809      6.07897
  4022649.62 |       2.73840      3.09118      3.47195      3.88633      4.34148
 4.88636      5.82275      6.98538      7.58193
  4022606.10 |       2.92011      3.36904      3.88433      4.45511      5.08659
 5.79393      6.80314      8.49739      9.71562
  4022562.58 |       3.07616      3.60671      4.26680      5.06106      5.97454
 7.00738      8.23308     10.38504     12.84472
  4022519.06 |       3.22612      3.81371      4.58695      5.60672      6.92030
 8.52482     10.42561     13.10053     17.68358
  4022475.54 |       3.38626      4.02668      4.88618      6.07903      7.77697
10.18625     13.43398     17.57887     24.83717
  4022432.02 |       3.52395      4.22808      5.18065      6.52147      8.50531
11.61883     16.72710     24.95193     38.22987
  4022388.50 |       3.57014      4.32322      5.36099      6.85100      9.10907
12.79533     19.47466     33.39055     66.40792
  4022344.98 |       3.52897      4.28444      5.33576      6.86789      9.23947
13.23347     20.84306     38.59031     99.63525
  4022301.46 |       3.44786      4.17216      5.17689      6.63469      8.88289
12.65548     19.82413     36.46593     91.71102
  4022257.94 |       3.32512      4.00419      4.94164      6.29660      8.37377
11.80483     17.98710     30.00486     53.83895
  4022214.42 |       3.19614      3.84679      4.74612      6.03463      7.94406
10.82023     15.03589     20.74703     28.84368
  4022170.90 |       3.11576      3.74921      4.59827      5.74050      7.24797
 9.13077     11.32344     13.97344     17.99247
  4022127.38 |       3.05109      3.62678      4.34356      5.20678      6.19100
 7.26132      8.45604     10.08167     12.39470
  4022083.86 |       2.93215      3.40202      3.93378      4.50905      5.10846
 5.75717      6.55390      7.69839      9.10497
  4022040.34 |       2.73885      3.08695      3.45178      3.82665      4.21609
 4.66508      5.28617      6.08458      7.00982
  4021996.82 |       2.49499      2.74083      2.99019      3.24540      3.52587
 3.88663      4.38418      4.93032      5.59107
  4021953.30 |       2.23858      2.41298      2.58929      2.77772      3.00485
 3.31613      3.69753      4.08344      4.58242
  4021909.78 |       1.99617      2.12315      2.25616      2.40963      2.60975
 2.87706      3.15506      3.44741      3.83763
  4021866.26 |       1.77892      1.87672      1.98609      2.12089      2.30277
 2.52077      2.72173      2.95805      3.27039
  4021822.74 |       1.59074      1.67183      1.76785      1.89210      2.05521
 2.22241      2.37409      2.57238      2.82770
*** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                           ***        07/18/25
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL   ***
                                 INCLUDING SOURCE(S):   FUEL   ,

                                  *** NETWORK ID: BKGND   ; NETWORK TYPE:
GRIDCART ***

                                       ** CONC OF TOG   IN MICROGRAMS/M**3
                  **

    Y-COORD | X-COORD (METERS)
    (METERS) | 259957.28   260015.92   260074.56   260133.20   260191.84
260250.48   260309.12   260367.76   260426.40
 -
- -

  4022693.14 | 5.97983   5.92357   5.32367   4.51074   3.91974
 3.51294   3.14466   2.78221   2.41252
  4022649.62 | 7.47434   7.28808   6.39938   5.31921   4.61991
 4.07430   3.55521   3.03434   2.58294
  4022606.10 | 9.64822   9.39472   7.86625   6.42438   5.52675
 4.73983   3.96470   3.29751   2.80933
  4022562.58 | 13.10268   12.46403   9.81167   7.99463   6.69654
 5.44536   4.38666   3.64153   3.11821
  4022519.06 | 18.95935   17.39924   12.42375   10.28832   8.03994
 6.18767   4.95594   4.12980   3.52299
  4022475.54 | 29.66675   25.38041   17.76713   13.33179   9.54026
 7.23393   5.78244   4.74827   3.95607
  4022432.02 | 57.35184   43.74201   26.83633   17.10456   11.77188
 8.72984   6.71749   5.29900   4.27141
  4022388.50 | 155.18069   96.14561   41.36324   22.98535   14.60724
10.06362   7.34514   5.60655   4.43150
  4022344.98 | 753.64968   288.24567   64.11415   28.92795   16.62910
10.91971   7.78697   5.87494   4.61378
  4022301.46 | 597.60559   752.47422   96.42577   35.95165   19.37851
12.32858   8.62270   6.41439   4.98947
  4022257.94 | 107.38960   413.47710   148.57199   47.45514   22.97394
13.97377   9.57283   7.03877   5.42587
  4022214.42 | 44.55349   116.35368   143.30397   63.18395   28.61205
16.07593   10.50964   7.55954   5.77316
  4022170.90 | 25.11081   49.34120   87.81353   67.62407   35.44899
19.40849   12.02162   8.26532   6.13513
  4022127.38 | 16.37769   27.60750   48.03180   55.92097   38.79487
22.99609   14.11471   9.40130   6.73519

```
  4022083.86 |      11.64753     17.87817     27.99892     39.64062     36.32655
25.20808     16.23533     10.78448      7.58912
  4022040.34 |       8.76987     12.62770     18.08852     26.70879     30.09211
24.96405     17.72460     12.14693      8.54310
  4021996.82 |       6.87761      9.44873     12.70851     18.19399     23.14882
22.54489     18.04535     13.18789      9.47472
  4021953.30 |       5.56099      7.36866      9.48574     12.90423     17.24902
19.02817     17.14287     13.61915     10.23150
  4021909.78 |       4.60456      5.92664      7.40000      9.59527     12.83727
15.38544     15.37496     13.33359     10.64205
  4021866.26 |       3.88614      4.88673      5.96011      7.43749      9.72164
12.17418     13.23200     12.45967     10.62267
  4021822.74 |       3.33125      4.10637      4.91915      5.96471      7.55562
 9.58713     11.07436     11.21348     10.19845
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL     ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                    **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     260485.04    260543.68    260602.32
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

  4022693.14 |       2.09082      1.84184      1.65224
  4022649.62 |       2.24343      1.98864      1.78732
  4022606.10 |       2.45274      2.17726      1.95544
  4022562.58 |       2.72409      2.40848      2.14550
  4022519.06 |       3.04433      2.64876      2.31685
  4022475.54 |       3.33227      2.83443      2.43569
  4022432.02 |       3.51238      2.93890      2.49811
  4022388.50 |       3.60333      2.99477      2.53543
  4022344.98 |       3.73430      3.09605      2.61520
  4022301.46 |       4.00757      3.30074      2.77483
  4022257.94 |       4.32924      3.54559      2.96512
  4022214.42 |       4.58491      3.74676      3.12659
  4022170.90 |       4.80240      3.89899      3.24606
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL   ***
                                   INCLUDING SOURCE(S):   FUEL   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF TOG   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         259632.90   4022073.46   4.58885   259632.90
4022093.46   4.97692
         259632.90   4022113.46   5.37838   259632.90
4022133.46   5.77246
         259632.90   4022153.46   6.13231   259632.90
4022173.46   6.43227
         259632.90   4022193.46   6.65998   259632.90
4022213.46   6.82633
         259632.90   4022233.46   6.96485   259652.90
4022073.46   4.76997
         259652.90   4022093.46   5.20565   259652.90
4022113.46   5.66816
         259652.90   4022133.46   6.13784   259652.90
4022153.46   6.58567
         259652.90   4022173.46   6.97615   259652.90
4022193.46   7.28346
         259652.90   4022213.46   7.50840   259652.90
4022233.46   7.68327
         259672.90   4022073.46   4.95718   259672.90
4022093.46   5.43944

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         259672.90    4022113.46        5.96460                    259672.90
4022133.46        6.51655
         259672.90    4022153.46        7.06580                    259672.90
4022173.46        7.56843
         259672.90    4022193.46        7.98281                    259672.90
4022213.46        8.29241
         259672.90    4022233.46        8.52298                    259692.90
4022073.46        5.15384
         259692.90    4022093.46        5.67944                    259692.90
4022113.46        6.26705
         259692.90    4022133.46        6.90614                    259692.90
4022153.46        7.56936
         259692.90    4022173.46        8.20826                    259692.90
4022193.46        8.76347
         259692.90    4022213.46        9.19405                    259692.90
4022233.46        9.50949
         259712.90    4022073.46        5.35787                    259712.90
4022093.46        5.92640
         259712.90    4022113.46        6.57675                    259712.90
4022133.46        7.30593
         259712.90    4022153.46        8.09385                    259712.90
4022173.46        8.89298
         259712.90    4022193.46        9.62872                    259712.90
4022213.46       10.22916
         259712.90    4022233.46       10.67362                    259732.90
4022073.46        5.57389
         259732.90    4022093.46        6.18419                    259732.90
4022113.46        6.89639
         259732.90    4022133.46        7.71614                    259732.90
4022153.46        8.63574
         259732.90    4022173.46        9.61709                    259732.90
4022193.46       10.57848
         259732.90    4022213.46       11.41257                    259732.90
4022233.46       12.05161
         259752.90    4022073.46        5.81155                    259752.90
4022093.46        6.46042
         259772.90    4022073.46        6.08016                    259772.90
4022093.46        6.76612
         259792.90    4022073.46        6.38853                    259792.90
4022093.46        7.11453
         259812.90    4022073.46        6.73816                    259812.90
4022093.46        7.51622
         259832.90    4022073.46        7.11903                    259832.90
4022093.46        7.97033
         259920.63    4022125.03       13.19848                    259920.63
4022145.03       15.62129
         259920.63    4022165.03       18.83062                    259940.63
4022105.03       12.32998
         259940.63    4022125.03       14.43355                    259940.63
4022145.03       17.18037
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUEL ***
INCLUDING SOURCE(S): FUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259940.63	4022165.03	20.87285	259960.63	4022105.03	13.96328
259960.63	4022125.03	16.47065	259960.63	4022145.03	19.77678
259960.63	4022165.03	24.27590	259980.63	4022105.03	16.41136
259980.63	4022125.03	19.65279	259980.63	4022145.03	24.03198
259980.63	4022165.03	30.17228	260000.63	4022105.03	19.35399
260000.63	4022125.03	23.56664	260000.63	4022145.03	29.42023
260000.63	4022165.03	37.93015	259550.34	4021844.01	1.87559
259550.34	4021864.01	1.98085	259550.34	4021884.01	2.09696
259550.34	4021904.01	2.22525	259550.34	4021924.01	2.36681
259550.34	4021944.01	2.52275	259550.34	4021964.01	2.69336
259550.34	4021984.01	2.87865	259550.34	4022004.01	3.07886
259550.34	4022024.01	3.29219	259570.34	4021844.01	1.91577
259570.34	4021864.01	2.02295	259570.34	4021884.01	2.14159
259570.34	4021904.01	2.27326	259570.34	4021924.01	2.41946

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        259570.34    4021944.01        2.58159                    259570.34
4021964.01        2.76029
        259570.34    4021984.01        2.95621                    259570.34
4022004.01        3.17037
        259570.34    4022024.01        3.40141                    259590.34
4021844.01        1.96042
        259590.34    4021864.01        2.06936                    259590.34
4021884.01        2.19041
        259590.34    4021904.01        2.32515                    259590.34
4021924.01        2.47540
        259590.34    4021944.01        2.64293                    259590.34
4021964.01        2.82910
        259590.34    4021984.01        3.03516                    259590.34
4022004.01        3.26277
        259590.34    4022024.01        3.51140                    259610.34
4021844.01        2.01019
        259610.34    4021864.01        2.12081                    259610.34
4021884.01        2.24399
        259610.34    4021904.01        2.38152                    259610.34
4021924.01        2.53535
        259610.34    4021944.01        2.70776                    259610.34
4021964.01        2.90071
        259610.34    4021984.01        3.11638                    259610.34
4022004.01        3.35672
        259610.34    4022024.01        3.62252                    259630.34
4021844.01        2.06538
        259630.34    4021864.01        2.17808                    259630.34
4021884.01        2.30340
        259630.34    4021904.01        2.44346                    259630.34
4021924.01        2.60065
        259630.34    4021944.01        2.77746                    259630.34
4021964.01        2.97663
        259630.34    4021984.01        3.20100                    259630.34
4022004.01        3.45330
        259630.34    4022024.01        3.73555                    259650.34
4021844.01        2.12599
        259650.34    4021864.01        2.24156                    259650.34
4021884.01        2.36963
        259650.34    4021904.01        2.51251                    259650.34
4021924.01        2.67294
        259650.34    4021944.01        2.85394                    259650.34
4021964.01        3.05874
        259650.34    4021984.01        3.29090                    259650.34
4022004.01        3.55426
        259650.34    4022024.01        3.85185                    259670.34
4021844.01        2.19100
        259670.34    4021864.01        2.31109                    259670.34
4021884.01        2.44313
        259670.34    4021904.01        2.58976                    259670.34
4021924.01        2.75393
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         259670.34    4021944.01        2.93910                       259670.34
4021964.01        3.14911
         259670.34    4021984.01        3.38842                       259670.34
4022004.01        3.66167
         259670.34    4022024.01        3.97371                       259690.34
4021844.01        2.25772
         259690.34    4021864.01        2.38474                       259690.34
4021884.01        2.52304
         259690.34    4021904.01        2.67530                       259690.34
4021924.01        2.84463
         259690.34    4021944.01        3.03484                       259690.34
4021964.01        3.25032
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                          ***       21:08:06

                                    PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL     ***
                                    INCLUDING SOURCE(S):     FUEL        ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         259690.34    4021984.01        3.49637                       259690.34
4022004.01        3.77879
         259690.34    4022024.01        4.10382                       259710.34
4021844.01        2.32308
         259710.34    4021864.01        2.45907                       259710.34
4021884.01        2.60644
         259710.34    4021904.01        2.76724                       259710.34
4021924.01        2.94448
         259710.34    4021944.01        3.14191                       259710.34
4021964.01        3.36450
         259710.34    4021984.01        3.61793                       259710.34
4022004.01        3.90930
         259710.34    4022024.01        4.24631                       259730.34
4021844.01        2.38512
         259730.34    4021864.01        2.53108                       259730.34
4021884.01        2.68942
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         259730.34    4021904.01        2.86184                    259730.34
4021924.01        3.05059
         259730.34    4021944.01        3.25902                    259730.34
4021964.01        3.49192
         259730.34    4021984.01        3.75541                    259730.34
4022004.01        4.05699
         259730.34    4022024.01        4.40603                    259750.34
4021844.01        2.44360
         259750.34    4021864.01        2.59931                    259750.34
4021884.01        2.76918
         259750.34    4021904.01        2.95478                    259750.34
4021924.01        3.15809
         259750.34    4021944.01        3.38191                    259750.34
4021964.01        3.63000
         259750.34    4021984.01        3.90814                    259750.34
4022004.01        4.22408
         259750.34    4022024.01        4.58780                    259770.34
4021844.01        2.50142
         259770.34    4021864.01        2.66500                    259770.34
4021884.01        2.84529
         259770.34    4021904.01        3.04398                    259770.34
4021924.01        3.26296
         259770.34    4021944.01        3.50472                    259770.34
4021964.01        3.77286
         259770.34    4021984.01        4.07184                    259770.34
4022004.01        4.40873
         259770.34    4022024.01        4.79311                    259790.34
4021844.01        2.56294
         259790.34    4021864.01        2.73288                    259790.34
4021884.01        2.92148
         259790.34    4021904.01        3.13111                    259790.34
4021924.01        3.36444
         259790.34    4021944.01        3.62443                    259790.34
4021964.01        3.91447
         259790.34    4021984.01        4.23904                    259790.34
4022004.01        4.60403
         259790.34    4022024.01        5.01822                    259810.34
4021844.01        2.63217
         259810.34    4021864.01        2.80771                    259810.34
4021884.01        3.00320
         259810.34    4021904.01        3.22187                    259810.34
4021924.01        3.46712
         259810.34    4021944.01        3.74295                    259810.34
4021964.01        4.05365
         259810.34    4021984.01        4.40450                    259810.34
4022004.01        4.80176
         259810.34    4022024.01        5.25362                    259830.34
4021844.01        2.70981
         259830.34    4021864.01        2.89192                    259830.34
4021884.01        3.09497
```

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUEL ***
INCLUDING SOURCE(S): FUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259830.34	4021904.01	3.32251	259830.34	4021924.01	3.57845
259830.34	4021944.01	3.86774	259830.34	4021964.01	4.19620
259830.34	4021984.01	4.57079	259830.34	4022004.01	4.99940
259830.34	4022024.01	5.49154	259850.34	4021844.01	2.79440
259850.34	4021864.01	2.98474	259850.34	4021884.01	3.19701
259850.34	4021904.01	3.43477	259850.34	4021924.01	3.70260
259850.34	4021944.01	4.00600	259850.34	4021964.01	4.35162
259850.34	4021984.01	4.74768	259850.34	4022004.01	5.20454
259850.34	4022024.01	5.73450	259870.34	4021844.01	2.88407
259870.34	4021864.01	3.08385	259870.34	4021884.01	3.30690
259870.34	4021904.01	3.55713	259870.34	4021924.01	3.83935
259870.34	4021944.01	4.15932	259870.34	4021964.01	4.52438
259870.34	4021984.01	4.94390	259870.34	4022004.01	5.42940
259870.34	4022024.01	5.99576	259890.34	4021844.01	2.98362

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         259890.34    4021864.01        3.19323                    259890.34
4021884.01        3.42778
         259890.34    4021904.01        3.69151                    259890.34
4021924.01        3.98939
         259890.34    4021944.01        4.32794                    259890.34
4021964.01        4.71522
         259890.34    4021984.01        5.16135                    259890.34
4022004.01        5.67908
         259890.34    4022024.01        6.28540                    259910.34
4021844.01        3.10738
         259910.34    4021864.01        3.32782                    259910.34
4021884.01        3.57470
         259910.34    4021904.01        3.85279                    259910.34
4021924.01        4.16753
         259910.34    4021944.01        4.52620                    259910.34
4021964.01        4.93750
         259910.34    4021984.01        5.41268                    259910.34
4022004.01        5.96623
         259910.34    4022024.01        6.61683                    259930.34
4021844.01        3.27415
         259930.34    4021864.01        3.50948                    259930.34
4021884.01        3.77349
         259930.34    4021904.01        4.07113                    259930.34
4021924.01        4.40840
         259930.34    4021944.01        4.79310                    259950.34
4021844.01        3.49583
         259950.34    4021864.01        3.75417                    259950.34
4021884.01        4.04450
         259950.34    4021904.01        4.37257                    259950.34
4021924.01        4.74520
         259950.34    4021944.01        5.17134                    259970.34
4021844.01        3.76774
         259970.34    4021864.01        4.05809                    259970.34
4021884.01        4.38560
         259970.34    4021904.01        4.75713                    259970.34
4021924.01        5.18146
         259970.34    4021944.01        5.66946                    259990.34
4021844.01        4.06845
         259990.34    4021864.01        4.39657                    259990.34
4021884.01        4.76870
         259990.34    4021904.01        5.19287                    259990.34
4021924.01        5.68084
         259990.34    4021944.01        6.24614                    260122.80
4022046.18       26.65823
         260142.80    4022066.18       34.83990                    260142.80
4022086.18       40.99523
         260142.80    4022106.18       47.48749                    260142.80
4022126.18       53.66958
         260142.80    4022146.18       58.60067                    260142.80
4022166.18       61.20901
```

```
         260162.80    4022066.18       35.68570                      260162.80
4022086.18       40.45994
         260162.80    4022106.18       44.84765                      260162.80
4022126.18       48.23958
         260162.80    4022146.18       50.00068                      260162.80
4022166.18       49.67988
         260182.80    4022066.18       34.87682                      260182.80
4022086.18       38.08565
         260182.80    4022106.18       40.52255                      260182.80
4022126.18       41.78133
         260182.80    4022146.18       41.56414                      260182.80
4022166.18       39.85839
         260202.80    4022066.18       32.78558                      260202.80
4022086.18       34.54853
         260202.80    4022106.18       35.45624                      260202.80
4022126.18       35.31742
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: FUEL      ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         260202.80    4022146.18       34.10007                      260202.80
4022166.18       31.98798
         260095.45    4022187.01       99.57342                      260095.45
4022207.01      109.83813
         260095.45    4022227.01      110.86723                      260095.45
4022247.01      101.65802
         260095.45    4022267.01       86.57072                      260115.45
4022187.01       83.44863
         260115.45    4022207.01       84.24507                      260115.45
4022227.01       78.94877
         260115.45    4022247.01       69.42879                      260115.45
4022267.01       59.16315
```

260135.45 4022187.01 66.35896 260135.45
4022207.01 63.11569
260135.45 4022227.01 56.91823 260135.45
4022247.01 49.61670
260135.45 4022267.01 43.04937 260155.45
4022187.01 51.65790
260155.45 4022207.01 47.47461 260155.45
4022227.01 42.22480
260155.45 4022247.01 37.10327 260155.45
4022267.01 32.91715
260175.45 4022187.01 40.24406 260175.45
4022207.01 36.40529
260175.45 4022227.01 32.40279 260175.45
4022247.01 28.89206
260175.45 4022267.01 26.14577 260195.45
4022187.01 31.72090
260195.45 4022207.01 28.59083 260195.45
4022227.01 25.65553
260195.45 4022247.01 23.24372 260195.45
4022267.01 21.38181
260063.43 4022072.23 22.57987 260063.43
4022092.23 28.00042
260063.43 4022112.23 35.63741 260083.43
4022072.23 26.48565
260083.43 4022092.23 33.16216 260083.43
4022112.23 42.28905
260103.43 4022072.23 30.71771 260103.43
4022092.23 38.16866
260103.43 4022112.23 47.67895 260243.42
4022062.81 26.52887
260243.42 4022082.81 26.54642 260243.42
4022102.81 25.95849
260243.42 4022122.81 24.82029 260243.42
4022142.81 23.26789
260243.42 4022162.81 21.48093 260243.42
4022182.81 19.64696
260243.42 4022202.81 17.94264 260243.42
4022222.81 16.51105
260243.42 4022242.81 15.40021 260243.42
4022262.81 14.52130
260243.42 4022282.81 13.71304 260243.42
4022302.81 12.88603
260243.42 4022322.81 12.10281 260243.42
4022342.81 11.48433
260243.42 4022362.81 11.03960 260243.42
4022382.81 10.62571
260243.42 4022402.81 10.08540 260243.42
4022422.81 9.38458
260263.42 4022362.81 9.76191 260263.42
4022382.81 9.44776

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FUEL ,

*** NETWORK ID: BKGND ; NETWORK TYPE:
GRIDCART ***

** CONC OF TOG IN MICROGRAMS/M**3
**

Y-COORD (METERS)	X-COORD (METERS)					
	259429.52	259488.16	259546.80	259605.44	259664.08	259722.72
259781.36	259840.00	259898.64				
4022693.14	2.52931	2.79625	3.08347	3.39723	3.74150	4.24440
5.06074	5.79809	6.07897				
4022649.62	2.73840	3.09118	3.47195	3.88633	4.34148	4.88636
5.82275	6.98538	7.58193				
4022606.10	2.92011	3.36904	3.88433	4.45511	5.08659	5.79393
6.80314	8.49739	9.71562				
4022562.58	3.07616	3.60671	4.26680	5.06106	5.97454	7.00738
8.23308	10.38504	12.84472				
4022519.06	3.22612	3.81371	4.58695	5.60672	6.92030	8.52482
10.42561	13.10053	17.68358				
4022475.54	3.38626	4.02668	4.88618	6.07903	7.77697	10.18625
13.43398	17.57887	24.83717				
4022432.02	3.52395	4.22808	5.18065	6.52147	8.50531	11.61883
16.72710	24.95193	38.22987				
4022388.50	3.57014	4.32322	5.36099	6.85100	9.10907	12.79533
19.47466	33.39055	66.40792				
4022344.98	3.52897	4.28444	5.33576	6.86789	9.23947	13.23347
20.84306	38.59031	99.63525				
4022301.46	3.44786	4.17216	5.17689	6.63469	8.88289	12.65548
19.82413	36.46593	91.71102				
4022257.94	3.32512	4.00419	4.94164	6.29660	8.37377	11.80483
17.98710	30.00486	53.83895				
4022214.42	3.19614	3.84679	4.74612	6.03463	7.94406	10.82023
15.03589	20.74703	28.84368				

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 4022170.90 |       3.11576      3.74921      4.59827      5.74050      7.24797
 9.13077     11.32344     13.97344     17.99247
 4022127.38 |       3.05109      3.62678      4.34356      5.20678      6.19100
 7.26132      8.45604     10.08167     12.39470
 4022083.86 |       2.93215      3.40202      3.93378      4.50905      5.10846
 5.75717      6.55390      7.69839      9.10497
 4022040.34 |       2.73885      3.08695      3.45178      3.82665      4.21609
 4.66508      5.28617      6.08458      7.00982
 4021996.82 |       2.49499      2.74083      2.99019      3.24540      3.52587
 3.88663      4.38418      4.93032      5.59107
 4021953.30 |       2.23858      2.41298      2.58929      2.77772      3.00485
 3.31613      3.69753      4.08344      4.58242
 4021909.78 |       1.99617      2.12315      2.25616      2.40963      2.60975
 2.87706      3.15506      3.44741      3.83763
 4021866.26 |       1.77892      1.87672      1.98609      2.12089      2.30277
 2.52077      2.72173      2.95805      3.27039
 4021822.74 |       1.59074      1.67183      1.76785      1.89210      2.05521
 2.22241      2.37409      2.57238      2.82770
1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

    Y-COORD  |                                                 X-COORD (METERS)
    (METERS) |     259957.28    260015.92    260074.56    260133.20    260191.84
260250.48    260309.12    260367.76    260426.40
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.14 |       5.97983      5.92357      5.32367      4.51074      3.91974
 3.51294      3.14466      2.78221      2.41252
 4022649.62 |       7.47434      7.28808      6.39938      5.31921      4.61991
 4.07430      3.55521      3.03434      2.58294
 4022606.10 |       9.64822      9.39472      7.86625      6.42438      5.52675
 4.73983      3.96470      3.29751      2.80933
 4022562.58 |      13.10268     12.46403      9.81167      7.99463      6.69654
 5.44536      4.38666      3.64153      3.11821
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  4022519.06 |      18.95935     17.39924     12.42375     10.28832      8.03994
 6.18767      4.95594      4.12980      3.52299
  4022475.54 |      29.66675     25.38041     17.76713     13.33179      9.54026
 7.23393      5.78244      4.74827      3.95607
  4022432.02 |      57.35184     43.74201     26.83633     17.10456     11.77188
 8.72984      6.71749      5.29900      4.27141
  4022388.50 |     155.18069     96.14561     41.36324     22.98535     14.60724
10.06362      7.34514      5.60655      4.43150
  4022344.98 |     753.64968    288.24567     64.11415     28.92795     16.62910
10.91971      7.78697      5.87494      4.61378
  4022301.46 |     597.60559    752.47422     96.42577     35.95165     19.37851
12.32858      8.62270      6.41439      4.98947
  4022257.94 |     107.38960    413.47710    148.57199     47.45514     22.97394
13.97377      9.57283      7.03877      5.42587
  4022214.42 |      44.55349    116.35368    143.30397     63.18395     28.61205
16.07593     10.50964      7.55954      5.77316
  4022170.90 |      25.11081     49.34120     87.81353     67.62407     35.44899
19.40849     12.02162      8.26532      6.13513
  4022127.38 |      16.37769     27.60750     48.03180     55.92097     38.79487
22.99609     14.11471      9.40130      6.73519
  4022083.86 |      11.64753     17.87817     27.99892     39.64062     36.32655
25.20808     16.23533     10.78448      7.58912
  4022040.34 |       8.76987     12.62770     18.08852     26.70879     30.09211
24.96405     17.72460     12.14693      8.54310
  4021996.82 |       6.87761      9.44873     12.70851     18.19399     23.14882
22.54489     18.04535     13.18789      9.47472
  4021953.30 |       5.56099      7.36866      9.48574     12.90423     17.24902
19.02817     17.14287     13.61915     10.23150
  4021909.78 |       4.60456      5.92664      7.40000      9.59527     12.83727
15.38544     15.37496     13.33359     10.64205
  4021866.26 |       3.88614      4.88673      5.96011      7.43749      9.72164
12.17418     13.23200     12.45967     10.62267
  4021822.74 |       3.33125      4.10637      4.91915      5.96471      7.55562
 9.58713     11.07436     11.21348     10.19845
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***       21:08:06

                                  PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     FUEL        ,

                                     *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
```

**

Y-COORD (METERS)	X-COORD (METERS)		
	260485.04	260543.68	260602.32
4022693.14	2.09082	1.84184	1.65224
4022649.62	2.24343	1.98864	1.78732
4022606.10	2.45274	2.17726	1.95544
4022562.58	2.72409	2.40848	2.14550
4022519.06	3.04433	2.64876	2.31685
4022475.54	3.33227	2.83443	2.43569
4022432.02	3.51238	2.93890	2.49811
4022388.50	3.60333	2.99477	2.53543
4022344.98	3.73430	3.09605	2.61520
4022301.46	4.00757	3.30074	2.77483
4022257.94	4.32924	3.54559	2.96512
4022214.42	4.58491	3.74676	3.12659
4022170.90	4.80240	3.89899	3.24606
4022127.38	5.11996	4.07462	3.35715
4022083.86	5.63080	4.37061	3.52501
4022040.34	6.27396	4.79655	3.79617
4021996.82	6.95592	5.28613	4.14487
4021953.30	7.62589	5.79433	4.52293
4021909.78	8.19396	6.28911	4.90875
4021866.26	8.55398	6.72762	5.29430
4021822.74	8.64160	7.03220	5.63635

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

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         259632.90    4022073.46        4.58885                    259632.90
4022093.46        4.97692
         259632.90    4022113.46        5.37838                    259632.90
4022133.46        5.77246
         259632.90    4022153.46        6.13231                    259632.90
4022173.46        6.43227
         259632.90    4022193.46        6.65998                    259632.90
4022213.46        6.82633
         259632.90    4022233.46        6.96485                    259652.90
4022073.46        4.76997
         259652.90    4022093.46        5.20565                    259652.90
4022113.46        5.66816
         259652.90    4022133.46        6.13784                    259652.90
4022153.46        6.58567
         259652.90    4022173.46        6.97615                    259652.90
4022193.46        7.28346
         259652.90    4022213.46        7.50840                    259652.90
4022233.46        7.68327
         259672.90    4022073.46        4.95718                    259672.90
4022093.46        5.43944
         259672.90    4022113.46        5.96460                    259672.90
4022133.46        6.51655
         259672.90    4022153.46        7.06580                    259672.90
4022173.46        7.56843
         259672.90    4022193.46        7.98281                    259672.90
4022213.46        8.29241
         259672.90    4022233.46        8.52298                    259692.90
4022073.46        5.15384
         259692.90    4022093.46        5.67944                    259692.90
4022113.46        6.26705
         259692.90    4022133.46        6.90614                    259692.90
4022153.46        7.56936
         259692.90    4022173.46        8.20826                    259692.90
4022193.46        8.76347
         259692.90    4022213.46        9.19405                    259692.90
4022233.46        9.50949
         259712.90    4022073.46        5.35787                    259712.90
4022093.46        5.92640
         259712.90    4022113.46        6.57675                    259712.90
4022133.46        7.30593
         259712.90    4022153.46        8.09385                    259712.90
4022173.46        8.89298
         259712.90    4022193.46        9.62872                    259712.90
4022213.46       10.22916
         259712.90    4022233.46       10.67362                    259732.90
4022073.46        5.57389
         259732.90    4022093.46        6.18419                    259732.90
4022113.46        6.89639
         259732.90    4022133.46        7.71614                    259732.90
4022153.46        8.63574
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         259732.90    4022173.46        9.61709                      259732.90
4022193.46       10.57848
         259732.90    4022213.46       11.41257                      259732.90
4022233.46       12.05161
         259752.90    4022073.46        5.81155                      259752.90
4022093.46        6.46042
         259772.90    4022073.46        6.08016                      259772.90
4022093.46        6.76612
         259792.90    4022073.46        6.38853                      259792.90
4022093.46        7.11453
         259812.90    4022073.46        6.73816                      259812.90
4022093.46        7.51622
         259832.90    4022073.46        7.11903                      259832.90
4022093.46        7.97033
         259920.63    4022125.03       13.19848                      259920.63
4022145.03       15.62129
         259920.63    4022165.03       18.83062                      259940.63
4022105.03       12.32998
         259940.63    4022125.03       14.43355                      259940.63
4022145.03       17.18037
         259940.63    4022165.03       20.87285                      259960.63
4022105.03       13.96328
         259960.63    4022125.03       16.47065                      259960.63
4022145.03       19.77678
         259960.63    4022165.03       24.27590                      259980.63
4022105.03       16.41136
         259980.63    4022125.03       19.65279                      259980.63
4022145.03       24.03198
         259980.63    4022165.03       30.17228                      260000.63
4022105.03       19.35399
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
```

- -
- -
260000.63 4022125.03 23.56664 260000.63
4022145.03 29.42023
260000.63 4022165.03 37.93015 259550.34
4021844.01 1.87559
259550.34 4021864.01 1.98085 259550.34
4021884.01 2.09696
259550.34 4021904.01 2.22525 259550.34
4021924.01 2.36681
259550.34 4021944.01 2.52275 259550.34
4021964.01 2.69336
259550.34 4021984.01 2.87865 259550.34
4022004.01 3.07886
259550.34 4022024.01 3.29219 259570.34
4021844.01 1.91577
259570.34 4021864.01 2.02295 259570.34
4021884.01 2.14159
259570.34 4021904.01 2.27326 259570.34
4021924.01 2.41946
259570.34 4021944.01 2.58159 259570.34
4021964.01 2.76029
259570.34 4021984.01 2.95621 259570.34
4022004.01 3.17037
259570.34 4022024.01 3.40141 259590.34
4021844.01 1.96042
259590.34 4021864.01 2.06936 259590.34
4021884.01 2.19041
259590.34 4021904.01 2.32515 259590.34
4021924.01 2.47540
259590.34 4021944.01 2.64293 259590.34
4021964.01 2.82910
259590.34 4021984.01 3.03516 259590.34
4022004.01 3.26277
259590.34 4022024.01 3.51140 259610.34
4021844.01 2.01019
259610.34 4021864.01 2.12081 259610.34
4021884.01 2.24399
259610.34 4021904.01 2.38152 259610.34
4021924.01 2.53535
259610.34 4021944.01 2.70776 259610.34
4021964.01 2.90071
259610.34 4021984.01 3.11638 259610.34
4022004.01 3.35672
259610.34 4022024.01 3.62252 259630.34
4021844.01 2.06538
259630.34 4021864.01 2.17808 259630.34
4021884.01 2.30340
259630.34 4021904.01 2.44346 259630.34
4021924.01 2.60065

```
         259630.34    4021944.01        2.77746                       259630.34
4021964.01        2.97663
         259630.34    4021984.01        3.20100                       259630.34
4022004.01        3.45330
         259630.34    4022024.01        3.73555                       259650.34
4021844.01        2.12599
         259650.34    4021864.01        2.24156                       259650.34
4021884.01        2.36963
         259650.34    4021904.01        2.51251                       259650.34
4021924.01        2.67294
         259650.34    4021944.01        2.85394                       259650.34
4021964.01        3.05874
         259650.34    4021984.01        3.29090                       259650.34
4022004.01        3.55426
         259650.34    4022024.01        3.85185                       259670.34
4021844.01        2.19100
         259670.34    4021864.01        2.31109                       259670.34
4021884.01        2.44313
         259670.34    4021904.01        2.58976                       259670.34
4021924.01        2.75393
         259670.34    4021944.01        2.93910                       259670.34
4021964.01        3.14911
         259670.34    4021984.01        3.38842                       259670.34
4022004.01        3.66167
         259670.34    4022024.01        3.97371                       259690.34
4021844.01        2.25772
         259690.34    4021864.01        2.38474                       259690.34
4021884.01        2.52304
         259690.34    4021904.01        2.67530                       259690.34
4021924.01        2.84463
         259690.34    4021944.01        3.03484                       259690.34
4021964.01        3.25032
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF TOG      IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259690.34	4021984.01	3.49637	259690.34	4022004.01	3.77879
259690.34	4022024.01	4.10382	259710.34	4021844.01	2.32308
259710.34	4021864.01	2.45907	259710.34	4021884.01	2.60644
259710.34	4021904.01	2.76724	259710.34	4021924.01	2.94448
259710.34	4021944.01	3.14191	259710.34	4021964.01	3.36450
259710.34	4021984.01	3.61793	259710.34	4022004.01	3.90930
259710.34	4022024.01	4.24631	259730.34	4021844.01	2.38512
259730.34	4021864.01	2.53108	259730.34	4021884.01	2.68942
259730.34	4021904.01	2.86184	259730.34	4021924.01	3.05059
259730.34	4021944.01	3.25902	259730.34	4021964.01	3.49192
259730.34	4021984.01	3.75541	259730.34	4022004.01	4.05699
259730.34	4022024.01	4.40603	259750.34	4021844.01	2.44360
259750.34	4021864.01	2.59931	259750.34	4021884.01	2.76918
259750.34	4021904.01	2.95478	259750.34	4021924.01	3.15809
259750.34	4021944.01	3.38191	259750.34	4021964.01	3.63000
259750.34	4021984.01	3.90814	259750.34	4022004.01	4.22408
259750.34	4022024.01	4.58780	259770.34	4021844.01	2.50142
259770.34	4021864.01	2.66500	259770.34	4021884.01	2.84529
259770.34	4021904.01	3.04398	259770.34	4021924.01	3.26296
259770.34	4021944.01	3.50472	259770.34	4021964.01	3.77286
259770.34	4021984.01	4.07184	259770.34	4022004.01	4.40873
259770.34	4022024.01	4.79311	259790.34	4021844.01	2.56294
259790.34	4021864.01	2.73288	259790.34	4021884.01	2.92148

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         259790.34    4021904.01        3.13111                       259790.34
4021924.01        3.36444
         259790.34    4021944.01        3.62443                       259790.34
4021964.01        3.91447
         259790.34    4021984.01        4.23904                       259790.34
4022004.01        4.60403
         259790.34    4022024.01        5.01822                       259810.34
4021844.01        2.63217
         259810.34    4021864.01        2.80771                       259810.34
4021884.01        3.00320
         259810.34    4021904.01        3.22187                       259810.34
4021924.01        3.46712
         259810.34    4021944.01        3.74295                       259810.34
4021964.01        4.05365
         259810.34    4021984.01        4.40450                       259810.34
4022004.01        4.80176
         259810.34    4022024.01        5.25362                       259830.34
4021844.01        2.70981
         259830.34    4021864.01        2.89192                       259830.34
4021884.01        3.09497
         259830.34    4021904.01        3.32251                       259830.34
4021924.01        3.57845
         259830.34    4021944.01        3.86774                       259830.34
4021964.01        4.19620
         259830.34    4021984.01        4.57079                       259830.34
4022004.01        4.99940
         259830.34    4022024.01        5.49154                       259850.34
4021844.01        2.79440
         259850.34    4021864.01        2.98474                       259850.34
4021884.01        3.19701
         259850.34    4021904.01        3.43477                       259850.34
4021924.01        3.70260
         259850.34    4021944.01        4.00600                       259850.34
4021964.01        4.35162
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
259850.34	4021984.01	4.74768	259850.34	4022004.01	5.20454
259850.34	4022024.01	5.73450	259870.34	4021844.01	2.88407
259870.34	4021864.01	3.08385	259870.34	4021884.01	3.30690
259870.34	4021904.01	3.55713	259870.34	4021924.01	3.83935
259870.34	4021944.01	4.15932	259870.34	4021964.01	4.52438
259870.34	4021984.01	4.94390	259870.34	4022004.01	5.42940
259870.34	4022024.01	5.99576	259890.34	4021844.01	2.98362
259890.34	4021864.01	3.19323	259890.34	4021884.01	3.42778
259890.34	4021904.01	3.69151	259890.34	4021924.01	3.98939
259890.34	4021944.01	4.32794	259890.34	4021964.01	4.71522
259890.34	4021984.01	5.16135	259890.34	4022004.01	5.67908
259890.34	4022024.01	6.28540	259910.34	4021844.01	3.10738
259910.34	4021864.01	3.32782	259910.34	4021884.01	3.57470
259910.34	4021904.01	3.85279	259910.34	4021924.01	4.16753
259910.34	4021944.01	4.52620	259910.34	4021964.01	4.93750
259910.34	4021984.01	5.41268	259910.34	4022004.01	5.96623
259910.34	4022024.01	6.61683	259930.34	4021844.01	3.27415
259930.34	4021864.01	3.50948	259930.34	4021884.01	3.77349
259930.34	4021904.01	4.07113	259930.34	4021924.01	4.40840
259930.34	4021944.01	4.79310	259950.34	4021844.01	3.49583
259950.34	4021864.01	3.75417	259950.34	4021884.01	4.04450
259950.34	4021904.01	4.37257	259950.34	4021924.01	4.74520

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         259950.34    4021944.01        5.17134                       259970.34
4021844.01        3.76774
         259970.34    4021864.01        4.05809                       259970.34
4021884.01        4.38560
         259970.34    4021904.01        4.75713                       259970.34
4021924.01        5.18146
         259970.34    4021944.01        5.66946                       259990.34
4021844.01        4.06845
         259990.34    4021864.01        4.39657                       259990.34
4021884.01        4.76870
         259990.34    4021904.01        5.19287                       259990.34
4021924.01        5.68084
         259990.34    4021944.01        6.24614                       260122.80
4022046.18       26.65823
         260142.80    4022066.18       34.83990                       260142.80
4022086.18       40.99523
         260142.80    4022106.18       47.48749                       260142.80
4022126.18       53.66958
         260142.80    4022146.18       58.60067                       260142.80
4022166.18       61.20901
         260162.80    4022066.18       35.68570                       260162.80
4022086.18       40.45994
         260162.80    4022106.18       44.84765                       260162.80
4022126.18       48.23958
         260162.80    4022146.18       50.00068                       260162.80
4022166.18       49.67988
         260182.80    4022066.18       34.87682                       260182.80
4022086.18       38.08565
         260182.80    4022106.18       40.52255                       260182.80
4022126.18       41.78133
         260182.80    4022146.18       41.56414                       260182.80
4022166.18       39.85839
         260202.80    4022066.18       32.78558                       260202.80
4022086.18       34.54853
         260202.80    4022106.18       35.45624                       260202.80
4022126.18       35.31742
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       21:08:06

                                 PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
260202.80	4022146.18	34.10007	260202.80	4022166.18	31.98798
260095.45	4022187.01	99.57342	260095.45	4022207.01	109.83813
260095.45	4022227.01	110.86723	260095.45	4022247.01	101.65802
260095.45	4022267.01	86.57072	260115.45	4022187.01	83.44863
260115.45	4022207.01	84.24507	260115.45	4022227.01	78.94877
260115.45	4022247.01	69.42879	260115.45	4022267.01	59.16315
260135.45	4022187.01	66.35896	260135.45	4022207.01	63.11569
260135.45	4022227.01	56.91823	260135.45	4022247.01	49.61670
260135.45	4022267.01	43.04937	260155.45	4022187.01	51.65790
260155.45	4022207.01	47.47461	260155.45	4022227.01	42.22480
260155.45	4022247.01	37.10327	260155.45	4022267.01	32.91715
260175.45	4022187.01	40.24406	260175.45	4022207.01	36.40529
260175.45	4022227.01	32.40279	260175.45	4022247.01	28.89206
260175.45	4022267.01	26.14577	260195.45	4022187.01	31.72090
260195.45	4022207.01	28.59083	260195.45	4022227.01	25.65553
260195.45	4022247.01	23.24372	260195.45	4022267.01	21.38181
260063.43	4022072.23	22.57987	260063.43	4022092.23	28.00042
260063.43	4022112.23	35.63741	260083.43	4022072.23	26.48565
260083.43	4022092.23	33.16216	260083.43	4022112.23	42.28905
260103.43	4022072.23	30.71771	260103.43	4022092.23	38.16866
260103.43	4022112.23	47.67895	260243.42	4022062.81	26.52887

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         260243.42    4022082.81       26.54642                       260243.42
4022102.81       25.95849
         260243.42    4022122.81       24.82029                       260243.42
4022142.81       23.26789
         260243.42    4022162.81       21.48093                       260243.42
4022182.81       19.64696
         260243.42    4022202.81       17.94264                       260243.42
4022222.81       16.51105
         260243.42    4022242.81       15.40021                       260243.42
4022262.81       14.52130
         260243.42    4022282.81       13.71304                       260243.42
4022302.81       12.88603
         260243.42    4022322.81       12.10281                       260243.42
4022342.81       11.48433
         260243.42    4022362.81       11.03960                       260243.42
4022382.81       10.62571
         260243.42    4022402.81       10.08540                       260243.42
4022422.81        9.38458
         260263.42    4022362.81        9.76191                       260263.42
4022382.81        9.44776
         260263.42    4022402.81        9.04622                       260263.42
4022422.81        8.50511
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259429.52              259488.16              259546.80
      259605.44              259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    200.03994 (22012617)    213.30064 (22012617)    236.46072 (21020808)
   258.05361 (20120908)    315.15008 (20010709)
 4022649.6 |    224.92545 (21022208)    230.63182 (22012617)    253.66604 (22012617)
   286.19014 (21020808)    317.81877 (19122017)
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 4022606.1 |    208.07633 (22120308)    258.47182 (21022208)    280.24355 (21022208)
   309.12339 (22012617)    351.85687 (21020808)
 4022562.6 |    223.95415 (21021908)    241.72143 (21021908)    294.02075 (21022208)
   356.52696 (21022208)    388.93588 (22012617)
 4022519.1 |    227.89425 (22121709)    254.16463 (18012117)    307.76591 (21021908)
   350.44130 (22120308)    463.72864 (21022208)
 4022475.5 |    241.37075 (18022708)    290.41251 (18022708)    319.50373 (22121709)
   361.25355 (18012117)    447.88546 (21021908)
 4022432.0 |    237.30187 (18012417)    277.86712 (18012417)    320.79561 (22020317)
   413.68959 (18022708)    496.36883 (18022708)
 4022388.5 |    260.37238 (21020117)    301.88886 (21020117)    347.94714 (21020117)
   397.29075 (19122917)    497.00589 (18012417)
 4022345.0 |    281.58713 (21011009)    324.11816 (21011009)    378.45796 (21011009)
   449.70574 (21011009)    546.61045 (21011009)
 4022301.5 |    247.97420 (20021708)    284.59837 (20021708)    331.21668 (20021708)
   397.55319 (22020608)    495.64591 (22020608)
 4022257.9 |    238.85472 (18021408)    274.58346 (18021408)    320.92415 (19011903)
   392.35764 (19120608)    485.38632 (19120608)
 4022214.4 |    236.60691 (19120608)    272.41408 (20020808)    315.15564 (22021808)
   391.85616 (22021808)    459.31916 (22120805)
 4022170.9 |    237.12556 (22021808)    264.15192 (22021808)    301.29304 (22120805)
   367.70006 (19012919)    437.66159 (20022918)
 4022127.4 |    217.52311 (22120805)    257.43519 (19012919)    292.31047 (22010803)
   341.71342 (19120519)    404.91752 (22022018)
 4022083.9 |    214.33576 (22010803)    242.73136 (20022918)    275.48029 (19122224)
   314.44035 (22012023)    365.10873 (22120604)
 4022040.3 |    206.56369 (19120519)    232.02982 (19122224)    256.38805 (22012023)
   291.40189 (19122820)    356.65352 (20021908)
 4021996.8 |    197.98896 (22022018)    213.15813 (22012023)    240.00372 (19122820)
   279.16096 (20021908)    306.84508 (19012822)
 4021953.3 |    180.30239 (22012023)    202.40937 (19122820)    225.08078 (22021203)
   256.92926 (20021908)    305.30815 (19012817)
 4021909.8 |    173.94245 (19122820)    189.68675 (22012921)    224.13341 (20021908)
   239.25091 (19012817)    255.95566 (19123107)
 4021866.3 |    164.01078 (22012921)    194.02062 (20021908)    195.70760 (19012822)
   232.43352 (19012817)    250.43196 (22020908)
 4021822.7 |    167.68851 (20021908)    169.88572 (19012822)    199.40644 (19012817)
   203.91299 (22020908)    224.25460 (19121308)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        21:08:06

                                    PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                    INCLUDING SOURCE(S):     FUEL        ,
```

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF TOG IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)			
	259722.72	259781.36	259840.00	259898.64
259957.28				
4022693.1	364.07414 (21022408)	395.45413 (20092707)	439.66224 (21111108)	457.29537 (21022108)
477.68344 (21102017)				
4022649.6	403.89356 (20010709)	417.74789 (21022408)	478.46849 (21042906)	529.90399 (21010517)
559.12419 (21102017)				
4022606.1	405.76411 (19011917)	518.88282 (21022408)	595.20573 (20092707)	650.03847 (20063006)
664.69978 (21102017)				
4022562.6	446.97036 (20020208)	595.95773 (20010709)	681.79476 (19021908)	771.18055 (21111108)
821.49808 (18020907)				
4022519.1	511.52977 (22012617)	608.99920 (20120908)	834.61225 (21022408)	1012.16047 (21111108)
1109.00483 (20123017)				
4022475.5	616.45275 (21022208)	719.35020 (22012617)	927.51803 (19011917)	1336.72982 (20092707)
1538.69981 (20123017)				
4022432.0	605.69305 (21021908)	828.50653 (21022208)	1126.51337 (22012617)	1777.44862 (20010709)
2514.62902 (21022108)				
4022388.5	631.84903 (18022008)	926.38901 (18022708)	1287.15866 (21021908)	2174.34840 (22012617)
4929.14597 (21111108)				
4022345.0	683.30552 (21011009)	960.97553 (21020117)	1450.49942 (21020117)	2485.50042 (18022708)
8384.95975 (21120509)				
4022301.5	642.68086 (22012208)	887.14553 (18021408)	1320.10900 (19120119)	2338.29629 (21022118)
8073.42175 (19012817)				
4022257.9	629.81128 (22021808)	834.25949 (22122301)	1226.69669 (20022918)	2043.56893 (20021908)
4210.01679 (22022108)				
4022214.4	588.68470 (19012919)	769.57263 (19122224)	1052.36639 (22120604)	1625.92758 (22020908)
2205.46598 (19012208)				
4022170.9	545.46599 (22022018)	674.02022 (22120604)	925.80089 (19012817)	1161.88876 (22022122)
1389.49405 (19120302)				
4022127.4	480.29848 (22120604)	611.86926 (20021908)	776.98881 (22020908)	888.99856 (19120304)
990.38147 (19120302)				
4022083.9	464.28212 (20021908)	557.86630 (19012817)	609.80629 (19121317)	711.93128 (22022108)
746.38778 (22022022)				
4022040.3	403.15774 (19012817)	478.36860 (22020908)	515.60625 (22022121)	559.28591 (19123001)
599.35532 (22022022)				
4021996.8	361.54218 (19012817)	394.62994 (19121308)	434.59342 (19120304)	473.62585 (22012821)
493.61266 (22011819)				
4021953.3	333.57005 (22020908)	348.82819 (22022122)	377.84464 (22122618)	406.29043 (22011722)
422.58143 (21032907)				
4021909.8	289.45135 (19121308)	308.55509 (22022121)	336.49165 (22022108)	349.30249 (19012208)
370.97084 (21032907)				

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUEL ***
INCLUDING SOURCE(S): FUEL ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF TOG IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260015.92	260074.56	260133.20	260191.84	260250.48
4021866.3	259.61098 (19121317)	274.47389 (22010524)	292.00277 (19123001)	309.59627 (19012208)	329.43995 (21032907)
4021822.7	235.19920 (22021108)	247.80890 (19120304)	255.30222 (19122901)	270.69304 (19012208)	294.90392 (21032907)
4022693.1	439.87708 (18122122)	419.97671 (20012822)	394.66429 (18121217)	365.18312 (22040702)	367.69187 (19060506)
4022649.6	518.04041 (18122122)	518.99952 (21021708)	453.86012 (21011419)	467.21502 (22021908)	398.24702 (19060506)
4022606.1	642.14607 (20011017)	595.88884 (21021708)	527.76185 (22040702)	537.58551 (19060506)	464.03635 (20010809)
4022562.6	822.38693 (18010517)	726.64373 (18121217)	710.73326 (22021908)	615.86089 (22122009)	464.12025 (18111608)
4022519.1	1042.28936 (18010517)	928.59479 (20021721)	860.61929 (19060506)	671.06765 (18111608)	533.65035 (20121609)
4022475.5	1422.61649 (20012519)	1286.39969 (22021908)	1016.13626 (18111608)	745.07135 (20121609)	622.76444 (22040107)
4022432.0	2199.38206 (21011718)	1704.73284 (22122009)	1136.64119 (20121609)	826.88158 (22033007)	598.31357 (19051806)
4022388.5	4032.82640 (22021908)	2024.04921 (22040107)	1201.75110 (19051806)	875.77910 (22012217)	649.23385 (22012217)
4022345.0	5097.26518 (19051806)	2105.13854 (22012217)	1279.82368 (19120508)	844.92914 (19071606)	620.60173 (22041320)
4022301.5	5067.11829 (20022408)	2268.86616 (20022408)	1318.41980 (21010309)	952.90469 (21010309)	703.70187 (21010309)
4022257.9	3641.82846 (19121116)	1820.85034 (20022521)	1166.14128 (19121208)	988.93218 (20022408)	663.31799 (20022408)

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 4022214.4 |   2199.27724 (22011321)   1506.66928 (22100507)   1007.24834 (22011718)
   748.97856 (21010705)    586.55145 (20121322)
 4022170.9 |   1476.24902 (21021308)   1163.92425 (19121116)    902.56854 (18021908)
   666.54850 (21012308)    564.42696 (22092507)
 4022127.4 |   1090.47080 (19013017)    915.20174 (19121323)    807.05968 (19121116)
   589.78369 (20121117)    484.33928 (21012308)
 4022083.9 |    903.39271 (19013017)    732.33413 (19121402)    631.45108 (19121116)
   535.90217 (22100507)    459.46467 (18022108)
 4022040.3 |    725.92341 (19013017)    600.49625 (22011321)    540.79818 (22043006)
   530.48762 (19121116)    423.91755 (18021908)
 4021996.8 |    579.84214 (19013017)    500.26456 (22011924)    463.93484 (19040519)
   413.00028 (19121116)    355.50540 (18011022)
 4021953.3 |    464.68230 (19013017)    434.50360 (21021308)    407.20543 (19121402)
   366.75001 (22033123)    379.18205 (19121116)
 4021909.8 |    393.06749 (19011317)    372.31405 (21021308)    350.35876 (22040623)
   330.68417 (19121323)    297.79080 (19121116)
 4021866.3 |    336.18787 (19011317)    322.79496 (22010708)    311.68325 (22011321)
   294.94784 (19040519)    269.93912 (22033123)
 4021822.7 |    295.54995 (19122424)    289.22515 (22020921)    275.59338 (19122418)
   269.05922 (19121402)    249.79413 (22043006)
 ↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       260309.12               260367.76               260426.40
      260485.04               260543.68
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    342.92655 (22122009)    301.50022 (18111608)    244.80922 (19071906)
   225.15090 (20112008)    211.63535 (20121609)
 4022649.6 |    372.61991 (20010809)    294.97111 (19071906)    265.92380 (20112008)
   242.01306 (20121609)    238.80377 (22040107)
 4022606.1 |    362.99526 (19071906)    321.43302 (20112008)    290.62404 (22040107)
   274.24644 (22040107)    231.26787 (22033007)
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 4022562.6 |    405.22076 (20121609)    372.09274 (22040107)    308.56747 (22040107)
   256.83724 (22033007)    218.16402 (20021522)
 4022519.1 |    481.41524 (22040107)    380.34428 (22033007)    295.03224 (20021522)
   265.21110 (19051806)    228.77371 (18063006)
 4022475.5 |    444.58074 (22033007)    375.85036 (19051806)    322.20371 (18063006)
   287.65784 (18063006)    259.21194 (22012217)
 4022432.0 |    494.69655 (18063006)    420.87973 (22012217)    341.45281 (22012217)
   276.97387 (19013018)    240.56960 (19120618)
 4022388.5 |    485.82141 (19120618)    397.46231 (19120508)    338.41315 (19120508)
   285.44641 (19120508)    245.59367 (19071606)
 4022345.0 |    487.34826 (22032222)    396.04633 (22032222)    329.16629 (22032222)
   280.86225 (22012020)    243.35184 (22012020)
 4022301.5 |    544.85064 (20021808)    452.13591 (20021808)    382.39981 (20021808)
   328.28516 (20021808)    285.60619 (20021808)
 4022257.9 |    488.78385 (22071706)    398.05349 (18020818)    339.27316 (20070206)
   307.64857 (21010309)    276.25617 (21010309)
 4022214.4 |    556.49367 (20022408)    461.83894 (20022408)    332.23750 (20022408)
   283.27163 (22071706)    240.65871 (18121221)
 4022170.9 |    440.95916 (21022303)    369.55161 (20021419)    360.04031 (20022408)
   333.42658 (20022408)    272.36997 (20022408)
 4022127.4 |    428.08284 (22092507)    346.69035 (18011518)    298.77664 (20021221)
   262.56163 (20021419)    253.96774 (20022408)
 4022083.9 |    373.29645 (21012308)    328.59353 (22092507)    283.81022 (22092507)
   249.24497 (21022303)    222.83204 (20021221)
 4022040.3 |    369.02085 (18022108)    299.70329 (21012308)    264.83835 (18010704)
   247.54190 (22092507)    211.43357 (20021222)
 4021996.8 |    329.10601 (18021908)    302.29621 (18022108)    247.92373 (21012308)
   220.16098 (18010704)    213.27203 (22092507)
 4021953.3 |    298.58553 (22100507)    258.06351 (20121808)    251.98161 (18022108)
   209.76890 (21012308)    189.35169 (20022521)
 4021909.8 |    274.58554 (19121116)    255.30125 (18021908)    218.50137 (18121022)
   213.29671 (18022108)    180.71419 (21012308)
 4021866.3 |    287.30272 (19121116)    222.95287 (22032607)    219.59014 (18021908)
   188.55090 (20121117)    182.91598 (18022108)
 4021822.7 |    228.13894 (19121116)    228.04284 (19121116)    198.21428 (22100507)
   183.59869 (18021908)    167.04585 (18022108)
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                   *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***
```

** CONC OF TOG IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS) 260602.32
4022693.1	205.89264 (22040107)
4022649.6	200.29342 (22033007)
4022606.1	187.85209 (21010617)
4022562.6	200.67295 (19051806)
4022519.1	217.26110 (18063006)
4022475.5	219.72408 (22012217)
4022432.0	213.39315 (19121318)
4022388.5	212.46322 (22012708)
4022345.0	213.32097 (22012020)
4022301.5	251.14336 (20021808)
4022257.9	245.71438 (21010309)
4022214.4	210.93457 (18020818)
4022170.9	213.08183 (18010521)
4022127.4	250.41804 (20022408)
4022083.9	199.44669 (20021419)
4022040.3	190.10538 (21022303)
4021996.8	182.38289 (20031524)
4021953.3	182.90380 (22092507)
4021909.8	165.93412 (20022521)
4021866.3	157.99958 (21012308)
4021822.7	158.63208 (18022108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: FUEL ***
INCLUDING SOURCE(S): FUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

- -
- -
259632.90 4022073.46 333.39319 (22120502) 259632.90
4022093.46 341.25750 (22012023)
259632.90 4022113.46 364.50015 (22022018) 259632.90
4022133.46 369.75311 (19122224)
259632.90 4022153.46 385.60523 (19120519) 259632.90
4022173.46 396.57828 (22010803)
259632.90 4022193.46 405.34414 (19012919) 259632.90
4022213.46 412.64494 (22021808)
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4022073.46 348.06582 (22120604)
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4022153.46 410.98957 (19120519)
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4022093.46      485.03888  (20021908)
        259772.90   4022073.46      526.92032  (19012817)                259772.90
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4022105.03      855.99750  (19012208)
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4022145.03     1110.64336  (22011722)
        259940.63   4022165.03     1289.67734  (22012821)                259960.63
4022105.03      854.58167  (22022022)
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4022145.03     1122.63233  (19120302)
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4022105.03     1026.79102  (21032907)
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1 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF TOG      IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260000.63	4022125.03	1154.66017	(19013017)	260000.63	4022145.03	1362.83319	(19013017)
260000.63	4022165.03	1615.17284	(19013017)	259550.34	4021844.01	199.18683	(19012817)
259550.34	4021864.01	195.82178	(19123104)	259550.34	4021884.01	203.76920	(19012822)
259550.34	4021904.01	218.30207	(20021908)	259550.34	4021924.01	233.02223	(20021908)
259550.34	4021944.01	233.13086	(20021908)	259550.34	4021964.01	228.58081	(22012921)
259550.34	4021984.01	237.15526	(22120604)	259550.34	4022004.01	244.46977	(22120502)
259550.34	4022024.01	250.54489	(22120502)	259570.34	4021844.01	214.41623	(19012817)
259570.34	4021864.01	213.60056	(19012817)	259570.34	4021884.01	208.32389	(19123104)
259570.34	4021904.01	217.23266	(19012822)	259570.34	4021924.01	233.57782	(20021908)
259570.34	4021944.01	249.13560	(20021908)	259570.34	4021964.01	247.84138	(20021908)
259570.34	4021984.01	244.92320	(22012921)	259570.34	4022004.01	255.38658	(22120604)
259570.34	4022024.01	264.81885	(22120502)	259590.34	4021844.01	217.37070	(19012817)
259590.34	4021864.01	228.61609	(19012817)	259590.34	4021884.01	229.64367	(19012817)
259590.34	4021904.01	222.27430	(19123104)	259590.34	4021924.01	232.37733	(19012822)
259590.34	4021944.01	250.81075	(20021908)	259590.34	4021964.01	267.20481	(20021908)
259590.34	4021984.01	264.04806	(20021908)	259590.34	4022004.01	262.77599	(22012921)
259590.34	4022024.01	274.96558	(22120604)	259610.34	4021844.01	207.69332	(19123107)
259610.34	4021864.01	229.38678	(19012817)	259610.34	4021884.01	244.12354	(19012817)
259610.34	4021904.01	247.54790	(19012817)	259610.34	4021924.01	237.87153	(19123104)
259610.34	4021944.01	249.39534	(19012822)	259610.34	4021964.01	270.26925	(20021908)
259610.34	4021984.01	287.53560	(20021908)	259610.34	4022004.01	282.07766	(20021908)
259610.34	4022024.01	283.81272	(19012301)	259630.34	4021844.01	226.36412	(22020908)
259630.34	4021864.01	222.38840	(19123107)	259630.34	4021884.01	242.00401	(19012817)

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        259630.34   4021904.01      260.99489  (19012817)                259630.34
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        259630.34   4021944.01      258.80105  (19012817)                259630.34
4021964.01      268.62477  (19012822)
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        259650.34   4021984.01      290.56631  (19012822)                259650.34
4022004.01      317.77719  (20021908)
        259650.34   4022024.01      336.63007  (20021908)                259670.34
4021844.01      238.44885  (19121308)
        259670.34   4021864.01      246.96446  (22020908)                259670.34
4021884.01      263.09938  (22020908)
        259670.34   4021904.01      267.21824  (22020908)                259670.34
4021924.01      268.91857  (19012817)
        259670.34   4021944.01      299.53497  (19012817)                259670.34
4021964.01      315.03087  (19012817)
        259670.34   4021984.01      310.51970  (19012817)                259670.34
4022004.01      315.78131  (19012822)
        259670.34   4022024.01      347.10160  (20021908)                259690.34
4021844.01      233.53903  (19012701)
        259690.34   4021864.01      252.20437  (19121308)                259690.34
4021884.01      266.38903  (19121308)
        259690.34   4021904.01      281.61468  (22020908)                259690.34
4021924.01      292.80741  (22020908)
        259690.34   4021944.01      287.95786  (19123107)                259690.34
4021964.01      321.35220  (19012817)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	343.49953	(19012817)	259690.34	4022004.01	342.39310	(19012817)
259690.34	4022024.01	344.87470	(19012822)	259710.34	4021844.01	243.37615	(19121317)
259710.34	4021864.01	248.01130	(19012701)	259710.34	4021884.01	263.86142	(19121308)
259710.34	4021904.01	286.24653	(19121308)	259710.34	4021924.01	299.36069	(22020908)
259710.34	4021944.01	319.68573	(22020908)	259710.34	4021964.01	321.82555	(22020908)
259710.34	4021984.01	344.99060	(19012817)	259710.34	4022004.01	375.66814	(19012817)
259710.34	4022024.01	379.59172	(19012817)	259730.34	4021844.01	248.08069	(22021108)
259730.34	4021864.01	259.29919	(19121317)	259730.34	4021884.01	272.51748	(19121317)
259730.34	4021904.01	281.12819	(19012701)	259730.34	4021924.01	304.44229	(19121308)
259730.34	4021944.01	325.71482	(19121308)	259730.34	4021964.01	347.15891	(22020908)
259730.34	4021984.01	359.49190	(22020908)	259730.34	4022004.01	370.41623	(19012817)
259730.34	4022024.01	412.23890	(19012817)	259750.34	4021844.01	252.10837	(22022121)
259750.34	4021864.01	265.02137	(22021108)	259750.34	4021884.01	278.87843	(22021108)
259750.34	4021904.01	293.85252	(19121317)	259750.34	4021924.01	307.61140	(19121317)
259750.34	4021944.01	321.05593	(19012701)	259750.34	4021964.01	353.25064	(19121308)
259750.34	4021984.01	374.16633	(22020908)	259750.34	4022004.01	400.40804	(22020908)
259750.34	4022024.01	397.45927	(19012817)	259770.34	4021844.01	257.42103	(22010524)
259770.34	4021864.01	270.83393	(22010524)	259770.34	4021884.01	283.99980	(22012820)
259770.34	4021904.01	300.14043	(22021108)	259770.34	4021924.01	316.86893	(22021108)
259770.34	4021944.01	336.69025	(19121317)	259770.34	4021964.01	350.50445	(19121317)
259770.34	4021984.01	378.25694	(19121308)	259770.34	4022004.01	412.13729	(19121308)
259770.34	4022024.01	443.70340	(22020908)	259790.34	4021844.01	262.90779	(19120304)

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        259790.34   4021864.01      277.41771  (19120304)                259790.34
4021884.01      289.34965  (22010524)
        259790.34   4021904.01      307.92497  (22010524)                259790.34
4021924.01      324.29088  (22012820)
        259790.34   4021944.01      344.12790  (22022121)                259790.34
4021964.01      364.69275  (22021108)
        259790.34   4021984.01      390.74028  (19121317)                259790.34
4022004.01      407.40848  (19012701)
        259790.34   4022024.01      452.67849  (19121308)                259810.34
4021844.01      273.51600  (22022108)
        259810.34   4021864.01      283.07700  (22122618)                259810.34
4021884.01      296.08633  (22021724)
        259810.34   4021904.01      315.76040  (19120304)                259810.34
4021924.01      331.39640  (19120304)
        259810.34   4021944.01      354.20350  (22010524)                259810.34
4021964.01      375.41125  (22012820)
        259810.34   4021984.01      400.77055  (22022121)                259810.34
4022004.01      427.48328  (22022122)
        259810.34   4022024.01      460.58866  (19121317)                259830.34
4021844.01      272.88076  (19123001)
        259830.34   4021864.01      287.84526  (22022108)                259830.34
4021884.01      309.90466  (22022108)
        259830.34   4021904.01      327.61987  (22022108)                259830.34
4021924.01      341.57721  (22122618)
        259830.34   4021944.01      362.12879  (19120304)                259830.34
4021964.01      387.15715  (19120304)
        259830.34   4021984.01      413.01135  (22010524)                259830.34
4022004.01      441.87324  (22012820)
        259830.34   4022024.01      475.60637  (22022121)                259850.34
4021844.01      272.95985  (22022223)
        259850.34   4021864.01      287.57116  (19122901)                259850.34
4021884.01      307.42057  (19123001)
        259850.34   4021904.01      328.35275  (19123001)                259850.34
4021924.01      348.57807  (22022108)
        259850.34   4021944.01      379.04473  (22022108)                259850.34
4021964.01      403.11862  (22022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	423.68703	(22122618)	259850.34	4022004.01	458.26623	(19120304)
259850.34	4022024.01	489.69009	(22010524)	259870.34	4021844.01	282.88318	(22012821)
259870.34	4021864.01	299.05307	(22012821)	259870.34	4021884.01	313.98611	(22012821)
259870.34	4021904.01	332.48032	(22022223)	259870.34	4021924.01	348.90271	(22022223)
259870.34	4021944.01	374.14640	(19123001)	259870.34	4021964.01	406.24433	(19123001)
259870.34	4021984.01	435.44340	(22022108)	259870.34	4022004.01	479.98643	(22022108)
259870.34	4022024.01	514.33508	(22022108)	259890.34	4021844.01	288.58903	(19012208)
259890.34	4021864.01	302.81131	(19012208)	259890.34	4021884.01	320.60995	(22011722)
259890.34	4021904.01	342.85001	(22011722)	259890.34	4021924.01	364.54591	(22011722)
259890.34	4021944.01	389.59489	(22012821)	259890.34	4021964.01	414.70159	(22012821)
259890.34	4021984.01	443.89070	(22022223)	259890.34	4022004.01	473.47486	(19122901)
259890.34	4022024.01	521.72461	(19123001)	259910.34	4021844.01	283.06690	(19120302)
259910.34	4021864.01	301.81932	(19122819)	259910.34	4021884.01	322.15585	(19012208)
259910.34	4021904.01	346.84435	(19012208)	259910.34	4021924.01	372.69448	(19012208)
259910.34	4021944.01	399.31379	(19012208)	259910.34	4021964.01	426.19168	(19012208)
259910.34	4021984.01	457.68891	(22011722)	259910.34	4022004.01	498.05073	(22011722)
259910.34	4022024.01	540.15891	(22012821)	259930.34	4021844.01	283.73304	(19120302)
259930.34	4021864.01	303.28295	(19120302)	259930.34	4021884.01	324.39395	(19120302)
259930.34	4021904.01	347.33876	(19120302)	259930.34	4021924.01	372.06395	(19120302)
259930.34	4021944.01	398.58795	(19120302)	259950.34	4021844.01	292.44107	(22011819)
259950.34	4021864.01	309.45976	(22011819)	259950.34	4021884.01	328.00734	(22011819)

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        259950.34   4021904.01      349.20984  (22022022)                259950.34
4021924.01      373.46724  (22022022)
        259950.34   4021944.01      400.24516  (22022022)                259970.34
4021844.01      342.93813  (21032907)
        259970.34   4021864.01      363.33517  (21032907)                259970.34
4021884.01      385.76847  (21032907)
        259970.34   4021904.01      410.57064  (21032907)                259970.34
4021924.01      438.30129  (21032907)
        259970.34   4021944.01      469.54917  (21032907)                259990.34
4021844.01      337.24557  (21032907)
        259990.34   4021864.01      356.90618  (21032907)                259990.34
4021884.01      378.68965  (21032907)
        259990.34   4021904.01      402.72159  (21032907)                259990.34
4021924.01      429.34774  (21032907)
        259990.34   4021944.01      459.12414  (21032907)                260122.80
4022046.18      566.53361  (19121323)
        260142.80   4022066.18      558.42070  (18122603)                260142.80
4022086.18      691.96944  (19121116)
        260142.80   4022106.18      753.04032  (19121116)                260142.80
4022126.18      698.31832  (18011022)
        260142.80   4022146.18      790.91073  (18021908)                260142.80
4022166.18      824.52288  (18021908)
        260162.80   4022066.18      624.54328  (19121116)                260162.80
4022086.18      642.06056  (19121116)
        260162.80   4022106.18      609.11419  (22100507)                260162.80
4022126.18      687.33884  (18021908)
        260162.80   4022146.18      710.24352  (18021908)                260162.80
4022166.18      796.22336  (18022108)
        260182.80   4022066.18      547.98279  (19121116)                260182.80
4022086.18      543.77971  (22100507)
        260182.80   4022106.18      605.14265  (18021908)                260182.80
4022126.18      620.87545  (18021908)
        260182.80   4022146.18      685.51270  (18022108)                260182.80
4022166.18      693.72897  (18022108)
        260202.80   4022066.18      488.68699  (22100507)                260202.80
4022086.18      538.18863  (18021908)
        260202.80   4022106.18      548.83037  (18021908)                260202.80
4022126.18      595.19360  (18022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        21:08:06

                                    PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  FUEL     ***
                                    INCLUDING SOURCE(S):     FUEL        ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	625.26995	(18022108)	260202.80	4022166.18	628.94794	(22011718)
260095.45	4022187.01	1136.24529	(22100507)	260095.45	4022207.01	1288.24015	(18021908)
260095.45	4022227.01	1426.97810	(18022108)	260095.45	4022247.01	1467.70842	(22092507)
260095.45	4022267.01	1580.34302	(18033002)	260115.45	4022187.01	1056.08098	(18021908)
260115.45	4022207.01	1162.23733	(18022108)	260115.45	4022227.01	1172.10339	(21012308)
260115.45	4022247.01	1330.74312	(22092507)	260115.45	4022267.01	1348.96771	(19121208)
260135.45	4022187.01	961.18113	(18022108)	260135.45	4022207.01	975.69301	(20042422)
260135.45	4022227.01	1083.51056	(22092507)	260135.45	4022247.01	1118.73911	(18033002)
260135.45	4022267.01	1311.31299	(20022408)	260155.45	4022187.01	838.92668	(18022108)
260155.45	4022207.01	876.45817	(20022521)	260155.45	4022227.01	972.02288	(22092507)
260155.45	4022247.01	987.21997	(19121208)	260155.45	4022267.01	1219.63018	(20022408)
260175.45	4022187.01	748.22100	(20022521)	260175.45	4022207.01	838.79861	(22092507)
260175.45	4022227.01	845.71956	(18033002)	260175.45	4022247.01	892.18747	(20022408)
260175.45	4022267.01	1087.73563	(20022408)	260195.45	4022187.01	695.38752	(22092507)
260195.45	4022207.01	747.33013	(22092507)	260195.45	4022227.01	756.80785	(19121208)
260195.45	4022247.01	895.69911	(20022408)	260195.45	4022267.01	939.18465	(20022408)
260063.43	4022072.23	707.03330	(22011321)	260063.43	4022092.23	775.32840	(22040623)
260063.43	4022112.23	871.05917	(19121402)	260083.43	4022072.23	690.54910	(19121402)
260083.43	4022092.23	748.46824	(19042421)	260083.43	4022112.23	828.18148	(19121323)
260103.43	4022072.23	654.91640	(19121323)	260103.43	4022092.23	715.80572	(22043006)

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        260103.43   4022112.23      772.14066  (22033123)               260243.42
4022062.81      443.15374  (18021908)
        260243.42   4022082.81      447.79618  (20121117)               260243.42
4022102.81      505.34906  (18022108)
        260243.42   4022122.81      490.99404  (20042422)               260243.42
4022142.81      514.90833  (20022521)
        260243.42   4022162.81      560.57604  (22092507)               260243.42
4022182.81      572.51390  (22092507)
        260243.42   4022202.81      587.29789  (21022303)               260243.42
4022222.81      613.79937  (20022408)
        260243.42   4022242.81      761.94787  (20022408)               260243.42
4022262.81      661.68629  (22071706)
        260243.42   4022282.81      661.25234  (21010309)               260243.42
4022302.81      724.11917  (21010309)
        260243.42   4022322.81      739.03985  (20021808)               260243.42
4022342.81      642.12722  (22032222)
        260243.42   4022362.81      666.93736  (19120508)               260243.42
4022382.81      651.51962  (20021108)
        260243.42   4022402.81      672.06943  (22012217)               260243.42
4022422.81      622.79191  (19051806)
        260263.42   4022362.81      608.16481  (19120508)               260263.42
4022382.81      584.92314  (19120618)
        260263.42   4022402.81      628.45352  (22012217)               260263.42
4022422.81      577.64395  (18063006)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        21:08:06

                                    PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     FUEL        ,

                                     *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                         ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                  X-COORD (METERS)
  (METERS) |       259429.52               259488.16              259546.80
      259605.44               259664.08
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    200.03994 (22012617)    213.30064 (22012617)    236.46072 (21020808)
   258.05361 (20120908)    315.15008 (20010709)
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 4022649.6 |    224.92545 (21022208)    230.63182 (22012617)    253.66604 (22012617)
   286.19014 (21020808)    317.81877 (19122017)
 4022606.1 |    208.07633 (22120308)    258.47182 (21022208)    280.24355 (21022208)
   309.12339 (22012617)    351.85687 (21020808)
 4022562.6 |    223.95415 (21021908)    241.72143 (21021908)    294.02075 (21022208)
   356.52696 (21022208)    388.93588 (22012617)
 4022519.1 |    227.89425 (22121709)    254.16463 (18012117)    307.76591 (21021908)
   350.44130 (22120308)    463.72864 (21022208)
 4022475.5 |    241.37075 (18022708)    290.41251 (18022708)    319.50373 (22121709)
   361.25355 (18012117)    447.88546 (21021908)
 4022432.0 |    237.30187 (18012417)    277.86712 (18012417)    320.79561 (22020317)
   413.68959 (18022708)    496.36883 (18022708)
 4022388.5 |    260.37238 (21020117)    301.88886 (21020117)    347.94714 (21020117)
   397.29075 (19122917)    497.00589 (18012417)
 4022345.0 |    281.58713 (21011009)    324.11816 (21011009)    378.45796 (21011009)
   449.70574 (21011009)    546.61045 (21011009)
 4022301.5 |    247.97420 (20021708)    284.59837 (20021708)    331.21668 (20021708)
   397.55319 (22020608)    495.64591 (22020608)
 4022257.9 |    238.85472 (18021408)    274.58346 (18021408)    320.92415 (19011903)
   392.35764 (19120608)    485.38632 (19120608)
 4022214.4 |    236.60691 (19120608)    272.41408 (20020808)    315.15564 (22021808)
   391.85616 (22021808)    459.31916 (22120805)
 4022170.9 |    237.12556 (22021808)    264.15192 (22021808)    301.29304 (22120805)
   367.70006 (19012919)    437.66159 (20022918)
 4022127.4 |    217.52311 (22120805)    257.43519 (19012919)    292.31047 (22010803)
   341.71342 (19120519)    404.91752 (22022018)
 4022083.9 |    214.33576 (22010803)    242.73136 (20022918)    275.48029 (19122224)
   314.44035 (22012023)    365.10873 (22120604)
 4022040.3 |    206.56369 (19120519)    232.02982 (19122224)    256.38805 (22012023)
   291.40189 (19122820)    356.65352 (20021908)
 4021996.8 |    197.98896 (22022018)    213.15813 (22012023)    240.00372 (19122820)
   279.16096 (20021908)    306.84508 (19012822)
 4021953.3 |    180.30239 (22012023)    202.40937 (19122820)    225.08078 (22021203)
   256.92926 (20021908)    305.30815 (19012817)
 4021909.8 |    173.94245 (19122820)    189.68675 (22012921)    224.13341 (20021908)
   239.25091 (19012817)    255.95566 (19123107)
 4021866.3 |    164.01078 (22012921)    194.02062 (20021908)    195.70760 (19012822)
   232.43352 (19012817)    250.43196 (22020908)
 4021822.7 |    167.68851 (20021908)    169.88572 (19012822)    199.40644 (19012817)
   203.91299 (22020908)    224.25460 (19121308)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): FUEL ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF TOG IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	259722.72	259781.36	259840.00	259898.64	259957.28
4022693.1	364.07414 (21022408)	395.45413 (20092707)	439.66224 (21111108)	457.29537 (21022108)	477.68344 (21102017)
4022649.6	403.89356 (20010709)	417.74789 (21022408)	478.46849 (21042906)	529.90399 (21010517)	559.12419 (21102017)
4022606.1	405.76411 (19011917)	518.88282 (21022408)	595.20573 (20092707)	650.03847 (20063006)	664.69978 (21102017)
4022562.6	446.97036 (20020208)	595.95773 (20010709)	681.79476 (19021908)	771.18055 (21111108)	821.49808 (18020907)
4022519.1	511.52977 (22012617)	608.99920 (20120908)	834.61225 (21022408)	1012.16047 (21111108)	1109.00483 (20123017)
4022475.5	616.45275 (21022208)	719.35020 (22012617)	927.51803 (19011917)	1336.72982 (20092707)	1538.69981 (20123017)
4022432.0	605.69305 (21021908)	828.50653 (21022208)	1126.51337 (22012617)	1777.44862 (20010709)	2514.62902 (21022108)
4022388.5	631.84903 (18022008)	926.38901 (18022708)	1287.15866 (21021908)	2174.34840 (22012617)	4929.14597 (21111108)
4022345.0	683.30552 (21011009)	960.97553 (21020117)	1450.49942 (21020117)	2485.50042 (18022708)	8384.95975 (21120509)
4022301.5	642.68086 (22012208)	887.14553 (18021408)	1320.10900 (19120119)	2338.29629 (21022118)	8073.42175 (19012817)
4022257.9	629.81128 (22021808)	834.25949 (22122301)	1226.69669 (20022918)	2043.56893 (20021908)	4210.01679 (22022108)
4022214.4	588.68470 (19012919)	769.57263 (19122224)	1052.36639 (22120604)	1625.92758 (22020908)	2205.46598 (19012208)
4022170.9	545.46599 (22022018)	674.02022 (22120604)	925.80089 (19012817)	1161.88876 (22022122)	1389.49405 (19120302)
4022127.4	480.29848 (22120604)	611.86926 (20021908)	776.98881 (22020908)	888.99856 (19120304)	990.38147 (19120302)
4022083.9	464.28212 (20021908)	557.86630 (19012817)	609.80629 (19121317)	711.93128 (22022108)	746.38778 (22022022)
4022040.3	403.15774 (19012817)	478.36860 (22020908)	515.60625 (22022121)	559.28591 (19123001)	599.35532 (22022022)
4021996.8	361.54218 (19012817)	394.62994 (19121308)	434.59342 (19120304)	473.62585 (22012821)	493.61266 (22011819)
4021953.3	333.57005 (22020908)	348.82819 (22022122)	377.84464 (22122618)	406.29043 (22011722)	422.58143 (21032907)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): FUEL ,

*** NETWORK ID: BKGND ; NETWORK TYPE: GRIDCART ***

** CONC OF TOG IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)				
	260015.92	260074.56	260133.20	260191.84	260250.48
4022693.1	439.87708 (18122122)	419.97671 (20012822)	394.66429 (18121217)	365.18312 (22040702)	367.69187 (19060506)
4022649.6	518.04041 (18122122)	518.99952 (21021708)	453.86012 (21011419)	467.21502 (22021908)	398.24702 (19060506)
4022606.1	642.14607 (20011017)	595.88884 (21021708)	527.76185 (22040702)	537.58551 (19060506)	464.03635 (20010809)
4022562.6	822.38693 (18010517)	726.64373 (18121217)	710.73326 (22021908)	615.86089 (22122009)	464.12025 (18111608)
4022519.1	1042.28936 (18010517)	928.59479 (20021721)	860.61929 (19060506)	671.06765 (18111608)	533.65035 (20121609)
4022475.5	1422.61649 (20012519)	1286.39969 (22021908)	1016.13626 (18111608)	745.07135 (20121609)	622.76444 (22040107)
4022432.0	2199.38206 (21011718)	1704.73284 (22122009)	1136.64119 (20121609)	826.88158 (22033007)	598.31357 (19051806)
4022388.5	4032.82640 (22021908)	2024.04921 (22040107)	1201.75110 (19051806)	875.77910 (22012217)	649.23385 (22012217)
4022345.0	5097.26518 (19051806)	2105.13854 (22012217)	1279.82368 (19120508)	844.92914 (19071606)	620.60173 (22041320)
4022301.5	5067.11829 (20022408)	2268.86616 (20022408)	1318.41980 (21010309)	952.90469 (21010309)	703.70187 (21010309)

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 4022257.9 |   3641.82846 (19121116)   1820.85034 (20022521)   1166.14128 (19121208)
   988.93218 (20022408)    663.31799 (20022408)
 4022214.4 |   2199.27724 (22011321)   1506.66928 (22100507)   1007.24834 (22011718)
   748.97856 (21010705)    586.55145 (20121322)
 4022170.9 |   1476.24902 (21021308)   1163.92425 (19121116)    902.56854 (18021908)
   666.54850 (21012308)    564.42696 (22092507)
 4022127.4 |   1090.47080 (19013017)    915.20174 (19121323)    807.05968 (19121116)
   589.78369 (20121117)    484.33928 (21012308)
 4022083.9 |    903.39271 (19013017)    732.33413 (19121402)    631.45108 (19121116)
   535.90217 (22100507)    459.46467 (18022108)
 4022040.3 |    725.92341 (19013017)    600.49625 (22011321)    540.79818 (22043006)
   530.48762 (19121116)    423.91755 (18021908)
 4021996.8 |    579.84214 (19013017)    500.26456 (22011924)    463.93484 (19040519)
   413.00028 (19121116)    355.50540 (18011022)
 4021953.3 |    464.68230 (19013017)    434.50360 (21021308)    407.20543 (19121402)
   366.75001 (22033123)    379.18205 (19121116)
 4021909.8 |    393.06749 (19011317)    372.31405 (21021308)    350.35876 (22040623)
   330.68417 (19121323)    297.79080 (19121116)
 4021866.3 |    336.18787 (19011317)    322.79496 (22010708)    311.68325 (22011321)
   294.94784 (19040519)    269.93912 (22033123)
 4021822.7 |    295.54995 (19122424)    289.22515 (22020921)    275.59338 (19122418)
   269.05922 (19121402)    249.79413 (22043006)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                           ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        21:08:06

                                   PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                    *** NETWORK ID: BKGND    ;  NETWORK TYPE:
GRIDCART ***

                                        ** CONC OF TOG      IN MICROGRAMS/M**3
                  **

  Y-COORD  |                                                 X-COORD (METERS)
  (METERS) |       260309.12               260367.76               260426.40
      260485.04               260543.68
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

 4022693.1 |    342.92655 (22122009)    301.50022 (18111608)    244.80922 (19071906)
   225.15090 (20112008)    211.63535 (20121609)
 4022649.6 |    372.61991 (20010809)    294.97111 (19071906)    265.92380 (20112008)
   242.01306 (20121609)    238.80377 (22040107)
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 4022606.1 |    362.99526 (19071906)    321.43302 (20112008)    290.62404 (22040107)
   274.24644 (22040107)    231.26787 (22033007)
 4022562.6 |    405.22076 (20121609)    372.09274 (22040107)    308.56747 (22040107)
   256.83724 (22033007)    218.16402 (20021522)
 4022519.1 |    481.41524 (22040107)    380.34428 (22033007)    295.03224 (20021522)
   265.21110 (19051806)    228.77371 (18063006)
 4022475.5 |    444.58074 (22033007)    375.85036 (19051806)    322.20371 (18063006)
   287.65784 (18063006)    259.21194 (22012217)
 4022432.0 |    494.69655 (18063006)    420.87973 (22012217)    341.45281 (22012217)
   276.97387 (19013018)    240.56960 (19120618)
 4022388.5 |    485.82141 (19120618)    397.46231 (19120508)    338.41315 (19120508)
   285.44641 (19120508)    245.59367 (19071606)
 4022345.0 |    487.34826 (22032222)    396.04633 (22032222)    329.16629 (22032222)
   280.86225 (22012020)    243.35184 (22012020)
 4022301.5 |    544.85064 (20021808)    452.13591 (20021808)    382.39981 (20021808)
   328.28516 (20021808)    285.60619 (20021808)
 4022257.9 |    488.78385 (22071706)    398.05349 (18020818)    339.27316 (20070206)
   307.64857 (21010309)    276.25617 (21010309)
 4022214.4 |    556.49367 (20022408)    461.83894 (20022408)    332.23750 (20022408)
   283.27163 (22071706)    240.65871 (18121221)
 4022170.9 |    440.95916 (21022303)    369.55161 (20021419)    360.04031 (20022408)
   333.42658 (20022408)    272.36997 (20022408)
 4022127.4 |    428.08284 (22092507)    346.69035 (18011518)    298.77664 (20021221)
   262.56163 (20021419)    253.96774 (20022408)
 4022083.9 |    373.29645 (21012308)    328.59353 (22092507)    283.81022 (22092507)
   249.24497 (21022303)    222.83204 (20021221)
 4022040.3 |    369.02085 (18022108)    299.70329 (21012308)    264.83835 (18010704)
   247.54190 (22092507)    211.43357 (20021222)
 4021996.8 |    329.10601 (18021908)    302.29621 (18022108)    247.92373 (21012308)
   220.16098 (18010704)    213.27203 (22092507)
 4021953.3 |    298.58553 (22100507)    258.06351 (20121808)    251.98161 (18022108)
   209.76890 (21012308)    189.35169 (20022521)
 4021909.8 |    274.58554 (19121116)    255.30125 (18021908)    218.50137 (18121022)
   213.29671 (18022108)    180.71419 (21012308)
 4021866.3 |    287.30272 (19121116)    222.95287 (22032607)    219.59014 (18021908)
   188.55090 (20121117)    182.91598 (18022108)
 4021822.7 |    228.13894 (19121116)    228.04284 (19121116)    198.21428 (22100507)
   183.59869 (18021908)    167.04585 (18022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        21:08:06

                                    PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     FUEL        ,
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Y-COORD (METERS)	X-COORD (METERS) 260602.32
4022693.1	205.89264 (22040107)
4022649.6	200.29342 (22033007)
4022606.1	187.85209 (21010617)
4022562.6	200.67295 (19051806)
4022519.1	217.26110 (18063006)
4022475.5	219.72408 (22012217)
4022432.0	213.39315 (19121318)
4022388.5	212.46322 (22012708)
4022345.0	213.32097 (22012020)
4022301.5	251.14336 (20021808)
4022257.9	245.71438 (21010309)
4022214.4	210.93457 (18020818)
4022170.9	213.08183 (18010521)
4022127.4	250.41804 (20022408)
4022083.9	199.44669 (20021419)
4022040.3	190.10538 (21022303)
4021996.8	182.38289 (20031524)
4021953.3	182.90380 (22092507)
4021909.8	165.93412 (20022521)
4021866.3	157.99958 (21012308)
4021822.7	158.63208 (18022108)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259632.90	4022073.46	333.39319	(22120502)	259632.90	4022093.46	341.25750	(22012023)
259632.90	4022113.46	364.50015	(22022018)	259632.90	4022133.46	369.75311	(19122224)
259632.90	4022153.46	385.60523	(19120519)	259632.90	4022173.46	396.57828	(22010803)
259632.90	4022193.46	405.34414	(19012919)	259632.90	4022213.46	412.64494	(22021808)
259632.90	4022233.46	429.59146	(22021808)	259652.90	4022073.46	348.06582	(22120604)
259652.90	4022093.46	362.37045	(22120502)	259652.90	4022113.46	376.28227	(22012023)
259652.90	4022133.46	398.44756	(22022018)	259652.90	4022153.46	410.98957	(19120519)
259652.90	4022173.46	421.00916	(22010803)	259652.90	4022193.46	441.90705	(19012919)
259652.90	4022213.46	440.60679	(22120805)	259652.90	4022233.46	469.74638	(22021808)
259672.90	4022073.46	362.23783	(19012301)	259672.90	4022093.46	382.00521	(19122820)
259672.90	4022113.46	392.13425	(19122004)	259672.90	4022133.46	421.72880	(22022018)
259672.90	4022153.46	436.53330	(19122224)	259672.90	4022173.46	453.22656	(19120519)
259672.90	4022193.46	467.71016	(19012919)	259672.90	4022213.46	470.24349	(22120805)
259672.90	4022233.46	505.58315	(22021808)	259692.90	4022073.46	402.05594	(20021908)
259692.90	4022093.46	402.22824	(22120604)	259692.90	4022113.46	425.55803	(22120502)
259692.90	4022133.46	439.74074	(22012023)	259692.90	4022153.46	472.61171	(22022018)
259692.90	4022173.46	486.25114	(19120519)	259692.90	4022193.46	502.97698	(22010803)
259692.90	4022213.46	523.54738	(19012919)	259692.90	4022233.46	533.39583	(22021808)
259712.90	4022073.46	439.87929	(20021908)	259712.90	4022093.46	440.78677	(20021908)
259712.90	4022113.46	450.50773	(22120604)	259712.90	4022133.46	474.17057	(22120502)
259712.90	4022153.46	493.46421	(22010608)	259712.90	4022173.46	524.80531	(19122224)
259712.90	4022193.46	544.01917	(19120519)	259712.90	4022213.46	569.42496	(19012919)
259712.90	4022233.46	572.71481	(22120805)	259732.90	4022073.46	432.58467	(20021908)

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        259732.90   4022093.46      490.20656  (20021908)                259732.90
4022113.46      485.58283  (20021908)
        259732.90   4022133.46      505.45147  (22120604)                259732.90
4022153.46      524.98562  (22120502)
        259732.90   4022173.46      569.25972  (22022018)                259732.90
4022193.46      588.60886  (19120519)
        259732.90   4022213.46      614.76485  (22010803)                259732.90
4022233.46      627.42154  (19012919)
        259752.90   4022073.46      479.36117  (19012817)                259752.90
4022093.46      485.03888  (20021908)
        259772.90   4022073.46      526.92032  (19012817)                259772.90
4022093.46      545.88380  (19012817)
        259792.90   4022073.46      533.20318  (22020908)                259792.90
4022093.46      590.77129  (19012817)
        259812.90   4022073.46      568.39959  (19121308)                259812.90
4022093.46      618.86019  (22020908)
        259832.90   4022073.46      571.47413  (19121317)                259832.90
4022093.46      647.53397  (19121308)
        259920.63   4022125.03      918.31032  (19123001)                259920.63
4022145.03     1064.73986  (22022108)
        259920.63   4022165.03     1221.34012  (22022108)                259940.63
4022105.03      855.99750  (19012208)
        259940.63   4022125.03      965.94737  (19012208)                259940.63
4022145.03     1110.64336  (22011722)
        259940.63   4022165.03     1289.67734  (22012821)                259960.63
4022105.03      854.58167  (22022022)
        259960.63   4022125.03      968.51172  (22022022)                259960.63
4022145.03     1122.63233  (19120302)
        259960.63   4022165.03     1334.54426  (19120302)                259980.63
4022105.03     1026.79102  (21032907)
        259980.63   4022125.03     1171.89324  (21032907)                259980.63
4022145.03     1356.76002  (21032907)
        259980.63   4022165.03     1598.48213  (21032907)                260000.63
4022105.03      983.91217  (19013017)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     FUEL        ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF TOG      IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260000.63	4022125.03	1154.66017	(19013017)	260000.63	4022145.03	1362.83319	(19013017)
260000.63	4022165.03	1615.17284	(19013017)	259550.34	4021844.01	199.18683	(19012817)
259550.34	4021864.01	195.82178	(19123104)	259550.34	4021884.01	203.76920	(19012822)
259550.34	4021904.01	218.30207	(20021908)	259550.34	4021924.01	233.02223	(20021908)
259550.34	4021944.01	233.13086	(20021908)	259550.34	4021964.01	228.58081	(22012921)
259550.34	4021984.01	237.15526	(22120604)	259550.34	4022004.01	244.46977	(22120502)
259550.34	4022024.01	250.54489	(22120502)	259570.34	4021844.01	214.41623	(19012817)
259570.34	4021864.01	213.60056	(19012817)	259570.34	4021884.01	208.32389	(19123104)
259570.34	4021904.01	217.23266	(19012822)	259570.34	4021924.01	233.57782	(20021908)
259570.34	4021944.01	249.13560	(20021908)	259570.34	4021964.01	247.84138	(20021908)
259570.34	4021984.01	244.92320	(22012921)	259570.34	4022004.01	255.38658	(22120604)
259570.34	4022024.01	264.81885	(22120502)	259590.34	4021844.01	217.37070	(19012817)
259590.34	4021864.01	228.61609	(19012817)	259590.34	4021884.01	229.64367	(19012817)
259590.34	4021904.01	222.27430	(19123104)	259590.34	4021924.01	232.37733	(19012822)
259590.34	4021944.01	250.81075	(20021908)	259590.34	4021964.01	267.20481	(20021908)
259590.34	4021984.01	264.04806	(20021908)	259590.34	4022004.01	262.77599	(22012921)
259590.34	4022024.01	274.96558	(22120604)	259610.34	4021844.01	207.69332	(19123107)
259610.34	4021864.01	229.38678	(19012817)	259610.34	4021884.01	244.12354	(19012817)
259610.34	4021904.01	247.54790	(19012817)	259610.34	4021924.01	237.87153	(19123104)
259610.34	4021944.01	249.39534	(19012822)	259610.34	4021964.01	270.26925	(20021908)
259610.34	4021984.01	287.53560	(20021908)	259610.34	4022004.01	282.07766	(20021908)
259610.34	4022024.01	283.81272	(19012301)	259630.34	4021844.01	226.36412	(22020908)

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        259630.34   4021864.01      222.38840  (19123107)                259630.34
4021884.01      242.00401  (19012817)
        259630.34   4021904.01      260.99489  (19012817)                259630.34
4021924.01      267.51372  (19012817)
        259630.34   4021944.01      258.80105  (19012817)                259630.34
4021964.01      268.62477  (19012822)
        259630.34   4021984.01      292.39249  (20021908)                259630.34
4022004.01      310.48022  (20021908)
        259630.34   4022024.01      301.77848  (20021908)                259650.34
4021844.01      234.66153  (22020908)
        259650.34   4021864.01      244.49601  (22020908)                259650.34
4021884.01      243.27952  (22020908)
        259650.34   4021904.01      255.19004  (19012817)                259650.34
4021924.01      279.46974  (19012817)
        259650.34   4021944.01      289.86421  (19012817)                259650.34
4021964.01      282.86276  (19012817)
        259650.34   4021984.01      290.56631  (19012822)                259650.34
4022004.01      317.77719  (20021908)
        259650.34   4022024.01      336.63007  (20021908)                259670.34
4021844.01      238.44885  (19121308)
        259670.34   4021864.01      246.96446  (22020908)                259670.34
4021884.01      263.09938  (22020908)
        259670.34   4021904.01      267.21824  (22020908)                259670.34
4021924.01      268.91857  (19012817)
        259670.34   4021944.01      299.53497  (19012817)                259670.34
4021964.01      315.03087  (19012817)
        259670.34   4021984.01      310.51970  (19012817)                259670.34
4022004.01      315.78131  (19012822)
        259670.34   4022024.01      347.10160  (20021908)                259690.34
4021844.01      233.53903  (19012701)
        259690.34   4021864.01      252.20437  (19121308)                259690.34
4021884.01      266.38903  (19121308)
        259690.34   4021904.01      281.61468  (22020908)                259690.34
4021924.01      292.80741  (22020908)
        259690.34   4021944.01      287.95786  (19123107)                259690.34
4021964.01      321.35220  (19012817)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***        21:08:06

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     FUEL        ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259690.34	4021984.01	343.49953	(19012817)	259690.34	4022004.01	342.39310	(19012817)
259690.34	4022024.01	344.87470	(19012822)	259710.34	4021844.01	243.37615	(19121317)
259710.34	4021864.01	248.01130	(19012701)	259710.34	4021884.01	263.86142	(19121308)
259710.34	4021904.01	286.24653	(19121308)	259710.34	4021924.01	299.36069	(22020908)
259710.34	4021944.01	319.68573	(22020908)	259710.34	4021964.01	321.82555	(22020908)
259710.34	4021984.01	344.99060	(19012817)	259710.34	4022004.01	375.66814	(19012817)
259710.34	4022024.01	379.59172	(19012817)	259730.34	4021844.01	248.08069	(22021108)
259730.34	4021864.01	259.29919	(19121317)	259730.34	4021884.01	272.51748	(19121317)
259730.34	4021904.01	281.12819	(19012701)	259730.34	4021924.01	304.44229	(19121308)
259730.34	4021944.01	325.71482	(19121308)	259730.34	4021964.01	347.15891	(22020908)
259730.34	4021984.01	359.49190	(22020908)	259730.34	4022004.01	370.41623	(19012817)
259730.34	4022024.01	412.23890	(19012817)	259750.34	4021844.01	252.10837	(22022121)
259750.34	4021864.01	265.02137	(22021108)	259750.34	4021884.01	278.87843	(22021108)
259750.34	4021904.01	293.85252	(19121317)	259750.34	4021924.01	307.61140	(19121317)
259750.34	4021944.01	321.05593	(19012701)	259750.34	4021964.01	353.25064	(19121308)
259750.34	4021984.01	374.16633	(22020908)	259750.34	4022004.01	400.40804	(22020908)
259750.34	4022024.01	397.45927	(19012817)	259770.34	4021844.01	257.42103	(22010524)
259770.34	4021864.01	270.83393	(22010524)	259770.34	4021884.01	283.99980	(22012820)
259770.34	4021904.01	300.14043	(22021108)	259770.34	4021924.01	316.86893	(22021108)
259770.34	4021944.01	336.69025	(19121317)	259770.34	4021964.01	350.50445	(19121317)
259770.34	4021984.01	378.25694	(19121308)	259770.34	4022004.01	412.13729	(19121308)

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        259770.34   4022024.01      443.70340  (22020908)                259790.34
4021844.01      262.90779  (19120304)
        259790.34   4021864.01      277.41771  (19120304)                259790.34
4021884.01      289.34965  (22010524)
        259790.34   4021904.01      307.92497  (22010524)                259790.34
4021924.01      324.29088  (22012820)
        259790.34   4021944.01      344.12790  (22022121)                259790.34
4021964.01      364.69275  (22021108)
        259790.34   4021984.01      390.74028  (19121317)                259790.34
4022004.01      407.40848  (19012701)
        259790.34   4022024.01      452.67849  (19121308)                259810.34
4021844.01      273.51600  (22022108)
        259810.34   4021864.01      283.07700  (22122618)                259810.34
4021884.01      296.08633  (22021724)
        259810.34   4021904.01      315.76040  (19120304)                259810.34
4021924.01      331.39640  (19120304)
        259810.34   4021944.01      354.20350  (22010524)                259810.34
4021964.01      375.41125  (22012820)
        259810.34   4021984.01      400.77055  (22022121)                259810.34
4022004.01      427.48328  (22022122)
        259810.34   4022024.01      460.58866  (19121317)                259830.34
4021844.01      272.88076  (19123001)
        259830.34   4021864.01      287.84526  (22022108)                259830.34
4021884.01      309.90466  (22022108)
        259830.34   4021904.01      327.61987  (22022108)                259830.34
4021924.01      341.57721  (22122618)
        259830.34   4021944.01      362.12879  (19120304)                259830.34
4021964.01      387.15715  (19120304)
        259830.34   4021984.01      413.01135  (22010524)                259830.34
4022004.01      441.87324  (22012820)
        259830.34   4022024.01      475.60637  (22022121)                259850.34
4021844.01      272.95985  (22022223)
        259850.34   4021864.01      287.57116  (19122901)                259850.34
4021884.01      307.42057  (19123001)
        259850.34   4021904.01      328.35275  (19123001)                259850.34
4021924.01      348.57807  (22022108)
        259850.34   4021944.01      379.04473  (22022108)                259850.34
4021964.01      403.11862  (22022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                         ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                        ***        21:08:06

                                   PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     FUEL        ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
259850.34	4021984.01	423.68703	(22122618)	259850.34	4022004.01	458.26623	(19120304)
259850.34	4022024.01	489.69009	(22010524)	259870.34	4021844.01	282.88318	(22012821)
259870.34	4021864.01	299.05307	(22012821)	259870.34	4021884.01	313.98611	(22012821)
259870.34	4021904.01	332.48032	(22022223)	259870.34	4021924.01	348.90271	(22022223)
259870.34	4021944.01	374.14640	(19123001)	259870.34	4021964.01	406.24433	(19123001)
259870.34	4021984.01	435.44340	(22022108)	259870.34	4022004.01	479.98643	(22022108)
259870.34	4022024.01	514.33508	(22022108)	259890.34	4021844.01	288.58903	(19012208)
259890.34	4021864.01	302.81131	(19012208)	259890.34	4021884.01	320.60995	(22011722)
259890.34	4021904.01	342.85001	(22011722)	259890.34	4021924.01	364.54591	(22011722)
259890.34	4021944.01	389.59489	(22012821)	259890.34	4021964.01	414.70159	(22012821)
259890.34	4021984.01	443.89070	(22022223)	259890.34	4022004.01	473.47486	(19122901)
259890.34	4022024.01	521.72461	(19123001)	259910.34	4021844.01	283.06690	(19120302)
259910.34	4021864.01	301.81932	(19122819)	259910.34	4021884.01	322.15585	(19012208)
259910.34	4021904.01	346.84435	(19012208)	259910.34	4021924.01	372.69448	(19012208)
259910.34	4021944.01	399.31379	(19012208)	259910.34	4021964.01	426.19168	(19012208)
259910.34	4021984.01	457.68891	(22011722)	259910.34	4022004.01	498.05073	(22011722)
259910.34	4022024.01	540.15891	(22012821)	259930.34	4021844.01	283.73304	(19120302)
259930.34	4021864.01	303.28295	(19120302)	259930.34	4021884.01	324.39395	(19120302)
259930.34	4021904.01	347.33876	(19120302)	259930.34	4021924.01	372.06395	(19120302)
259930.34	4021944.01	398.58795	(19120302)	259950.34	4021844.01	292.44107	(22011819)

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        259950.34   4021864.01      309.45976  (22011819)                259950.34
4021884.01      328.00734  (22011819)
        259950.34   4021904.01      349.20984  (22022022)                259950.34
4021924.01      373.46724  (22022022)
        259950.34   4021944.01      400.24516  (22022022)                259970.34
4021844.01      342.93813  (21032907)
        259970.34   4021864.01      363.33517  (21032907)                259970.34
4021884.01      385.76847  (21032907)
        259970.34   4021904.01      410.57064  (21032907)                259970.34
4021924.01      438.30129  (21032907)
        259970.34   4021944.01      469.54917  (21032907)                259990.34
4021844.01      337.24557  (21032907)
        259990.34   4021864.01      356.90618  (21032907)                259990.34
4021884.01      378.68965  (21032907)
        259990.34   4021904.01      402.72159  (21032907)                259990.34
4021924.01      429.34774  (21032907)
        259990.34   4021944.01      459.12414  (21032907)                260122.80
4022046.18      566.53361  (19121323)
        260142.80   4022066.18      558.42070  (18122603)                260142.80
4022086.18      691.96944  (19121116)
        260142.80   4022106.18      753.04032  (19121116)                260142.80
4022126.18      698.31832  (18011022)
        260142.80   4022146.18      790.91073  (18021908)                260142.80
4022166.18      824.52288  (18021908)
        260162.80   4022066.18      624.54328  (19121116)                260162.80
4022086.18      642.06056  (19121116)
        260162.80   4022106.18      609.11419  (22100507)                260162.80
4022126.18      687.33884  (18021908)
        260162.80   4022146.18      710.24352  (18021908)                260162.80
4022166.18      796.22336  (18022108)
        260182.80   4022066.18      547.98279  (19121116)                260182.80
4022086.18      543.77971  (22100507)
        260182.80   4022106.18      605.14265  (18021908)                260182.80
4022126.18      620.87545  (18021908)
        260182.80   4022146.18      685.51270  (18022108)                260182.80
4022166.18      693.72897  (18022108)
        260202.80   4022066.18      488.68699  (22100507)                260202.80
4022086.18      538.18863  (18021908)
        260202.80   4022106.18      548.83037  (18021908)                260202.80
4022126.18      595.19360  (18022108)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***       21:08:06

                                   PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): FUEL ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF TOG IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
260202.80	4022146.18	625.26995	(18022108)	260202.80	4022166.18	628.94794	(22011718)
260095.45	4022187.01	1136.24529	(22100507)	260095.45	4022207.01	1288.24015	(18021908)
260095.45	4022227.01	1426.97810	(18022108)	260095.45	4022247.01	1467.70842	(22092507)
260095.45	4022267.01	1580.34302	(18033002)	260115.45	4022187.01	1056.08098	(18021908)
260115.45	4022207.01	1162.23733	(18022108)	260115.45	4022227.01	1172.10339	(21012308)
260115.45	4022247.01	1330.74312	(22092507)	260115.45	4022267.01	1348.96771	(19121208)
260135.45	4022187.01	961.18113	(18022108)	260135.45	4022207.01	975.69301	(20042422)
260135.45	4022227.01	1083.51056	(22092507)	260135.45	4022247.01	1118.73911	(18033002)
260135.45	4022267.01	1311.31299	(20022408)	260155.45	4022187.01	838.92668	(18022108)
260155.45	4022207.01	876.45817	(20022521)	260155.45	4022227.01	972.02288	(22092507)
260155.45	4022247.01	987.21997	(19121208)	260155.45	4022267.01	1219.63018	(20022408)
260175.45	4022187.01	748.22100	(20022521)	260175.45	4022207.01	838.79861	(22092507)
260175.45	4022227.01	845.71956	(18033002)	260175.45	4022247.01	892.18747	(20022408)
260175.45	4022267.01	1087.73563	(20022408)	260195.45	4022187.01	695.38752	(22092507)
260195.45	4022207.01	747.33013	(22092507)	260195.45	4022227.01	756.80785	(19121208)
260195.45	4022247.01	895.69911	(20022408)	260195.45	4022267.01	939.18465	(20022408)
260063.43	4022072.23	707.03330	(22011321)	260063.43	4022092.23	775.32840	(22040623)
260063.43	4022112.23	871.05917	(19121402)	260083.43	4022072.23	690.54910	(19121402)
260083.43	4022092.23	748.46824	(19042421)	260083.43	4022112.23	828.18148	(19121323)

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        260103.43   4022072.23      654.91640  (19121323)                260103.43
4022092.23      715.80572  (22043006)
        260103.43   4022112.23      772.14066  (22033123)                260243.42
4022062.81      443.15374  (18021908)
        260243.42   4022082.81      447.79618  (20121117)                260243.42
4022102.81      505.34906  (18022108)
        260243.42   4022122.81      490.99404  (20042422)                260243.42
4022142.81      514.90833  (20022521)
        260243.42   4022162.81      560.57604  (22092507)                260243.42
4022182.81      572.51390  (22092507)
        260243.42   4022202.81      587.29789  (21022303)                260243.42
4022222.81      613.79937  (20022408)
        260243.42   4022242.81      761.94787  (20022408)                260243.42
4022262.81      661.68629  (22071706)
        260243.42   4022282.81      661.25234  (21010309)                260243.42
4022302.81      724.11917  (21010309)
        260243.42   4022322.81      739.03985  (20021808)                260243.42
4022342.81      642.12722  (22032222)
        260243.42   4022362.81      666.93736  (19120508)                260243.42
4022382.81      651.51962  (20021108)
        260243.42   4022402.81      672.06943  (22012217)                260243.42
4022422.81      622.79191  (19051806)
        260263.42   4022362.81      608.16481  (19120508)                260263.42
4022382.81      584.92314  (19120618)
        260263.42   4022402.81      628.45352  (22012217)                260263.42
4022422.81      577.64395  (18063006)
 *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                          ***        07/18/25
 *** AERMET - VERSION  21112 ***   ***
                         ***        21:08:06

                                    PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43824
HRS) RESULTS ***


                                    ** CONC OF TOG      IN MICROGRAMS/M**3
              **


                        NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

FUEL      1ST HIGHEST VALUE IS     753.64968 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
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          2ND HIGHEST VALUE IS     752.47422 AT (  260015.92,  4022301.46,    67.90,
   67.90,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     597.60559 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     413.47710 AT (  260015.92,  4022257.94,    67.80,
   67.80,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     288.24567 AT (  260015.92,  4022344.98,    68.20,
   68.20,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     155.18069 AT (  259957.28,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     148.57199 AT (  260074.56,  4022257.94,    67.80,
   67.80,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     143.30397 AT (  260074.56,  4022214.42,    67.60,
   67.60,    0.00)  GC  BKGND
          9TH HIGHEST VALUE IS     116.35368 AT (  260015.92,  4022214.42,    67.60,
   67.60,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS     110.86723 AT (  260095.45,  4022227.01,    67.58,
   67.58,    0.00)  DC

ALL       1ST HIGHEST VALUE IS     753.64968 AT (  259957.28,  4022344.98,    67.20,
   67.20,    0.00)  GC  BKGND
          2ND HIGHEST VALUE IS     752.47422 AT (  260015.92,  4022301.46,    67.90,
   67.90,    0.00)  GC  BKGND
          3RD HIGHEST VALUE IS     597.60559 AT (  259957.28,  4022301.46,    67.30,
   67.30,    0.00)  GC  BKGND
          4TH HIGHEST VALUE IS     413.47710 AT (  260015.92,  4022257.94,    67.80,
   67.80,    0.00)  GC  BKGND
          5TH HIGHEST VALUE IS     288.24567 AT (  260015.92,  4022344.98,    68.20,
   68.20,    0.00)  GC  BKGND
          6TH HIGHEST VALUE IS     155.18069 AT (  259957.28,  4022388.50,    67.20,
   67.20,    0.00)  GC  BKGND
          7TH HIGHEST VALUE IS     148.57199 AT (  260074.56,  4022257.94,    67.80,
   67.80,    0.00)  GC  BKGND
          8TH HIGHEST VALUE IS     143.30397 AT (  260074.56,  4022214.42,    67.60,
   67.60,    0.00)  GC  BKGND
          9TH HIGHEST VALUE IS     116.35368 AT (  260015.92,  4022214.42,    67.60,
   67.60,    0.00)  GC  BKGND
         10TH HIGHEST VALUE IS     110.86723 AT (  260095.45,  4022227.01,    67.58,
   67.58,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION 22112  ***   *** MAVERIK HANFORD_OPS TOG
                         ***       07/18/25
 *** AERMET - VERSION  21112 ***   ***
                       ***       21:08:06
```

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF TOG   IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
FUEL	HIGH 1ST HIGH VALUE IS	8384.95975	ON 21120509: AT (259957.28, 4022344.98, 67.20, 67.20, 0.00)	GC	BKGND
ALL	HIGH 1ST HIGH VALUE IS	8384.95975	ON 21120509: AT (259957.28, 4022344.98, 67.20, 67.20, 0.00)	GC	BKGND

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of   0 Fatal Error Message(s)
 A Total of   2 Warning Message(s)
 A Total of   1361 Informational Message(s)

 A Total of   43824 Hours Were Processed

 A Total of   680 Calm Hours Identified

 A Total of   681 Missing Hours Identified (1.55 Percent)

```
   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186      70       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187      70       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
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Maverik Hanford Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

3.3. Site Preparation (2026) - Unmitigated

3.5. Grading (2026) - Unmitigated

3.7. Building Construction (2026) - Unmitigated

3.9. Building Construction (2027) - Unmitigated

3.11. Paving (2026) - Unmitigated

3.13. Architectural Coating (2027) - Unmitigated

3.15. Off-site Infrastructure Improvement (2026) - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Maverik Hanford
Construction Start Date	7/11/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.40
Precipitation (days)	23.0
Location	36.31743859243447, -119.67646601321842
County	Kings
City	Hanford
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2612
EDFZ	9
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Convenience Market (24 hour)	5.98	1000sqft	0.14	5,982	0.00	—	—	—

Parking Lot	247	1000sqft	5.96	0.00	12,987	—	—	—
Other Asphalt Surfaces	52.3	1000sqft	1.20	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.49	4.63	41.2	41.6	0.07	1.77	19.9	21.6	1.63	10.2	11.8	—	7,572	7,572	0.31	0.08	1.13	7,601
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.65	4.42	29.2	29.4	0.06	1.24	19.8	21.0	1.14	10.1	11.3	—	7,429	7,429	0.22	0.73	0.28	7,651
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.70	0.59	5.03	5.30	0.01	0.21	1.03	1.24	0.19	0.49	0.68	—	1,173	1,173	0.04	0.05	0.30	1,189
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.13	0.11	0.92	0.97	< 0.005	0.04	0.19	0.23	0.03	0.09	0.12	—	194	194	0.01	0.01	0.05	197

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.49	4.63	41.2	41.6	0.07	1.77	19.9	21.6	1.63	10.2	11.8	—	7,572	7,572	0.31	0.08	1.13	7,601
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.81	3.21	29.2	29.4	0.06	1.24	19.8	21.0	1.14	10.1	11.3	—	7,429	7,429	0.22	0.73	0.28	7,651
2027	4.65	4.42	10.2	14.1	0.03	0.36	0.02	0.38	0.33	< 0.005	0.33	—	2,558	2,558	0.10	0.02	< 0.005	2,568
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.70	0.59	5.03	5.30	0.01	0.21	1.03	1.24	0.19	0.49	0.68	—	1,173	1,173	0.04	0.05	0.30	1,189
2027	0.51	0.48	1.46	2.02	< 0.005	0.05	< 0.005	0.05	0.05	< 0.005	0.05	—	369	369	0.01	< 0.005	0.01	370
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.13	0.11	0.92	0.97	< 0.005	0.04	0.19	0.23	0.03	0.09	0.12	—	194	194	0.01	0.01	0.05	197
2027	0.09	0.09	0.27	0.37	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	—	61.0	61.0	< 0.005	< 0.005	< 0.005	61.3

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.8	16.9	21.3	89.3	0.25	0.27	16.9	17.1	0.25	4.29	4.54	10.5	26,031	26,042	2.13	1.95	1,312	27,989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.8	14.8	23.5	84.4	0.23	0.27	16.9	17.1	0.25	4.29	4.54	10.5	24,439	24,450	2.33	2.04	1,242	26,357
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.1	15.1	22.4	81.3	0.24	0.27	16.6	16.9	0.25	4.23	4.48	10.5	24,886	24,897	2.22	1.99	1,271	26,816

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.94	2.76	4.09	14.8	0.04	0.05	3.03	3.08	0.05	0.77	0.82	1.74	4,120	4,122	0.37	0.33	210	4,440

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.6	16.7	21.2	89.0	0.25	0.26	16.9	17.1	0.25	4.29	4.54	—	25,584	25,584	1.03	1.95	71.4	26,261
Area	0.23	0.23	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.07	1.07	< 0.005	< 0.005	—	1.07
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	444	444	0.04	< 0.005	—	447
Water	—	—	—	—	—	—	—	—	—	—	—	0.85	2.13	2.98	0.09	< 0.005	—	5.79
Waste	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Total	17.8	16.9	21.3	89.3	0.25	0.27	16.9	17.1	0.25	4.29	4.54	10.5	26,031	26,042	2.13	1.95	1,312	27,989
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.6	14.6	23.5	84.4	0.23	0.26	16.9	17.1	0.25	4.29	4.54	—	23,993	23,993	1.23	2.03	1.85	24,630
Area	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	444	444	0.04	< 0.005	—	447
Water	—	—	—	—	—	—	—	—	—	—	—	0.85	2.13	2.98	0.09	< 0.005	—	5.79
Waste	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Total	15.8	14.8	23.5	84.4	0.23	0.27	16.9	17.1	0.25	4.29	4.54	10.5	24,439	24,450	2.33	2.04	1,242	26,357
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.9	14.9	22.4	81.2	0.24	0.26	16.6	16.9	0.25	4.23	4.48	—	24,439	24,439	1.13	1.98	30.8	25,089

Area	0.21	0.21	< 0.005	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Energy	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	444	444	0.04	< 0.005	—	447
Water	—	—	—	—	—	—	—	—	—	—	—	0.85	2.13	2.98	0.09	< 0.005	—	5.79
Waste	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Total	16.1	15.1	22.4	81.3	0.24	0.27	16.6	16.9	0.25	4.23	4.48	10.5	24,886	24,897	2.22	1.99	1,271	26,816
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.90	2.73	4.09	14.8	0.04	0.05	3.03	3.08	0.05	0.77	0.82	—	4,046	4,046	0.19	0.33	5.10	4,154
Area	0.04	0.04	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Energy	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.6	73.6	0.01	< 0.005	—	74.0
Water	—	—	—	—	—	—	—	—	—	—	—	0.14	0.35	0.49	0.01	< 0.005	—	0.96
Waste	—	—	—	—	—	—	—	—	—	—	—	1.60	0.00	1.60	0.16	0.00	—	5.61
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205	205
Total	2.94	2.76	4.09	14.8	0.04	0.05	3.03	3.08	0.05	0.77	0.82	1.74	4,120	4,122	0.37	0.33	210	4,440

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.72	2.29	20.7	19.0	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.38	0.38	—	0.06	0.06	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.57	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	93.9	93.9	< 0.005	< 0.005	—	94.2
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.5	15.5	< 0.005	< 0.005	—	15.6
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.70	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	126	126	0.01	< 0.005	0.41	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.35	0.08	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	—	298	298	< 0.005	0.05	0.71	313
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.17	3.17	< 0.005	< 0.005	< 0.005	3.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.15	8.15	< 0.005	< 0.005	0.01	8.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.52	0.52	< 0.005	< 0.005	< 0.005	0.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.35	1.35	< 0.005	< 0.005	< 0.005	1.42

3.3. Site Preparation (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.82	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	147	147	0.01	0.01	0.48	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.62	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	130	130	< 0.005	0.01	0.01	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	0.01	3.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.61	0.61	< 0.005	< 0.005	< 0.005	0.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970

Dust From Material Movement	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.82	0.96	< 0.005	0.04	—	0.04	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.53	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.01	113

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.08	5.52	1.15	0.03	0.09	1.19	1.28	0.09	0.33	0.41	—	4,358	4,358	0.04	0.70	0.27	4,568
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.33	6.33	< 0.005	< 0.005	0.01	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.30	0.06	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	239	239	< 0.005	0.04	0.25	250
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.5	39.5	< 0.005	0.01	0.04	41.5

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.07	0.66	0.86	< 0.005	0.03	—	0.03	0.02	—	0.02	—	160	160	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	< 0.005	14.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.98	0.98	< 0.005	< 0.005	< 0.005	1.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.75	0.75	< 0.005	< 0.005	< 0.005	0.78
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.16	0.16	< 0.005	< 0.005	< 0.005	0.16
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.12	0.12	< 0.005	< 0.005	< 0.005	0.13
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.38	1.90	< 0.005	0.05	—	0.05	0.05	—	0.05	—	352	352	0.01	< 0.005	—	353
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	58.2	58.2	< 0.005	< 0.005	—	58.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.9	13.9	< 0.005	< 0.005	< 0.005	14.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	< 0.005	11.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.15
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.62	1.62	< 0.005	< 0.005	< 0.005	1.69
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.35	0.35	< 0.005	< 0.005	< 0.005	0.36
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.94	0.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.53	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.01	113
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.33	6.33	< 0.005	< 0.005	0.01	6.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	3.27	3.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.8
Architectural Coatings	0.31	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.12	2.12	< 0.005	< 0.005	—	2.13
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.79	2.79	< 0.005	< 0.005	< 0.005	2.83
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Off-site Infrastructure Improvement (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	12.0	11.5	0.02	0.53	—	0.53	0.49	—	0.49	—	2,043	2,043	0.08	0.02	—	2,050
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.48	1.42	< 0.005	0.07	—	0.07	0.06	—	0.06	—	252	252	0.01	< 0.005	—	253
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.7	41.7	< 0.005	< 0.005	—	41.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.04	0.03	0.47	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	83.9	83.9	< 0.005	< 0.005	0.28	85.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	0.01	9.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.57	1.57	< 0.005	< 0.005	< 0.005	1.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	17.2	16.4	12.7	85.3	0.20	0.18	15.6	15.8	0.17	3.96	4.13	—	20,785	20,785	0.96	1.19	61.2	21,224

Parking Lot	0.38	0.28	8.54	3.69	0.05	0.08	1.22	1.30	0.08	0.33	0.41	—	4,799	4,799	0.07	0.76	10.1	5,036
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	17.6	16.7	21.2	89.0	0.25	0.26	16.9	17.1	0.25	4.29	4.54	—	25,584	25,584	1.03	1.95	71.4	26,261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	15.3	14.4	14.4	80.6	0.19	0.18	15.6	15.8	0.17	3.96	4.13	—	19,180	19,180	1.16	1.27	1.59	19,589
Parking Lot	0.34	0.25	9.13	3.80	0.05	0.09	1.22	1.30	0.08	0.33	0.41	—	4,813	4,813	0.07	0.76	0.26	5,042
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	15.6	14.6	23.5	84.4	0.23	0.26	16.9	17.1	0.25	4.29	4.54	—	23,993	23,993	1.23	2.03	1.85	24,630
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	2.84	2.68	2.47	14.1	0.04	0.03	2.81	2.84	0.03	0.71	0.74	—	3,251	3,251	0.17	0.20	4.38	3,320
Parking Lot	0.07	0.05	1.62	0.68	0.01	0.02	0.22	0.23	0.01	0.06	0.07	—	795	795	0.01	0.13	0.72	834
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.90	2.73	4.09	14.8	0.04	0.05	3.03	3.08	0.05	0.77	0.82	—	4,046	4,046	0.19	0.33	5.10	4,154

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	193	193	0.02	< 0.005	—	194
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	216	216	0.02	< 0.005	—	217
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	409	409	0.04	< 0.005	—	411
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	193	193	0.02	< 0.005	—	194
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	216	216	0.02	< 0.005	—	217
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	409	409	0.04	< 0.005	—	411
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	31.9	31.9	< 0.005	< 0.005	—	32.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	35.7	35.7	< 0.005	< 0.005	—	35.9

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	67.6	67.6	0.01	< 0.005	—	68.0

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.7	35.7	< 0.005	< 0.005	—	35.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.7	35.7	< 0.005	< 0.005	—	35.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.7	35.7	< 0.005	< 0.005	—	35.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.7	35.7	< 0.005	< 0.005	—	35.8

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.91	5.91	< 0.005	< 0.005	—	5.93
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.91	5.91	< 0.005	< 0.005	—	5.93

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.05	0.04	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.07	1.07	< 0.005	< 0.005	—	1.07
Total	0.23	0.23	< 0.005	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.07	1.07	< 0.005	< 0.005	—	1.07

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09
Total	0.04	0.04	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.09	0.09	< 0.005	< 0.005	—	0.09

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.85	1.66	2.50	0.09	< 0.005	—	5.31
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.48	0.48	< 0.005	< 0.005	—	0.48
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.85	2.13	2.98	0.09	< 0.005	—	5.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.85	1.66	2.50	0.09	< 0.005	—	5.31
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.48	0.48	< 0.005	< 0.005	—	0.48
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.85	2.13	2.98	0.09	< 0.005	—	5.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.27	0.41	0.01	< 0.005	—	0.88
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	< 0.005	< 0.005	—	0.08
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.14	0.35	0.49	0.01	< 0.005	—	0.96

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.69	0.00	9.69	0.97	0.00	—	33.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.60	0.00	1.60	0.16	0.00	—	5.61

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.60	0.00	1.60	0.16	0.00	—	5.61

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,240	1,240
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205	205
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	205	205

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	7/11/2026	7/24/2026	5.00	10.0	—
Site Preparation	Site Preparation	9/20/2026	10/2/2026	5.00	10.0	—
Grading	Grading	10/3/2026	10/30/2026	5.00	20.0	—
Building Construction	Building Construction	11/28/2026	3/16/2027	5.00	77.0	—
Paving	Paving	10/31/2026	11/27/2026	5.00	20.0	—
Architectural Coating	Architectural Coating	1/27/2027	3/16/2027	5.00	35.0	—
Off-site Infrastructure Improvement	Trenching	7/25/2026	9/25/2026	5.00	45.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Off-site Infrastructure Improvement	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Off-site Infrastructure Improvement	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Off-site Infrastructure Improvement	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Off-site Infrastructure Improvement	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	10.6	LDA,LDT1,LDT2
Demolition	Vendor	—	3.50	HHDT,MHDT
Demolition	Hauling	4.40	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	10.6	LDA,LDT1,LDT2
Site Preparation	Vendor	—	3.50	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT

Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	10.6	LDA,LDT1,LDT2
Grading	Vendor	—	3.50	HHDT,MHDT
Grading	Hauling	64.4	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1.91	10.6	LDA,LDT1,LDT2
Building Construction	Vendor	0.98	3.50	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	10.6	LDA,LDT1,LDT2
Paving	Vendor	—	3.50	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.38	10.6	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	3.50	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Off-site Infrastructure Improvement	—	—	—	—
Off-site Infrastructure Improvement	Worker	10.0	10.6	LDA,LDT1,LDT2
Off-site Infrastructure Improvement	Vendor	—	3.50	HHDT,MHDT
Off-site Infrastructure Improvement	Hauling	0.00	20.0	HHDT
Off-site Infrastructure Improvement	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	8,973	2,991	18,720

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	176	—
Site Preparation	—	—	15.0	0.00	—
Grading	10,300	—	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	7.16

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Convenience Market (24 hour)	0.00	0%
Parking Lot	5.96	100%
Other Asphalt Surfaces	1.20	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Convenience Market (24 hour)	4,702	4,702	4,702	1,716,307	22,121	22,121	22,121	8,074,207
Parking Lot	284	284	284	103,572	1,335	1,335	1,335	487,245
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	8,973	2,991	18,720

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Convenience Market (24 hour)	203,232	346	0.0330	0.0040	111,453
Parking Lot	227,528	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Convenience Market (24 hour)	443,102	0.00
Parking Lot	0.00	208,209
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Convenience Market (24 hour)	18.0	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	31.2	annual days of extreme heat
Extreme Precipitation	0.65	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	82.5
AQ-PM	99.0
AQ-DPM	71.7
Drinking Water	55.6
Lead Risk Housing	68.6
Pesticides	69.3
Toxic Releases	39.4
Traffic	31.8
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	94.4
Haz Waste Facilities/Generators	74.7
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	94.6

Cardio-vascular	98.6
Low Birth Weights	29.7
Socioeconomic Factor Indicators	—
Education	89.7
Housing	31.7
Linguistic	96.1
Poverty	91.3
Unemployment	81.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	12.39573977
Employed	6.274862056
Median HI	13.08866932
Education	—
Bachelor's or higher	12.89618889
High school enrollment	100
Preschool enrollment	16.65597331
Transportation	—
Auto Access	22.93083537
Active commuting	49.54446298
Social	—
2-parent households	26.87026819
Voting	2.912870525
Neighborhood	—
Alcohol availability	43.26960092

Park access	6.069549596
Retail density	60.70832799
Supermarket access	61.65789811
Tree canopy	5.902733222
Housing	—
Homeownership	21.01886308
Housing habitability	9.970486334
Low-inc homeowner severe housing cost burden	8.443474913
Low-inc renter severe housing cost burden	32.51636084
Uncrowded housing	16.61747722
Health Outcomes	—
Insured adults	41.85807776
Arthritis	0.0
Asthma ER Admissions	1.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	5.0
Cognitively Disabled	7.9
Physically Disabled	10.4
Heart Attack ER Admissions	31.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	51.7

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	19.0
Elderly	48.0
English Speaking	26.5
Foreign-born	33.2
Outdoor Workers	13.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	61.8
Traffic Density	23.2
Traffic Access	0.0
Other Indices	—
Hardship	86.7
Other Decision Support	—
2016 Voting	2.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	91.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on the parcel map.
Construction: Construction Phases	Construction start and end date from the client.
Construction: Off-Road Equipment	Equipment for Trenching - Offsite Infrastructure Improvement is based on the assumption.
Operations: Vehicle Data	Pass-by trips are accounted in the trip rate.
Operations: Fleet Mix	Parking Lot = Truck Stop trips (assumed 100% HHD)

APPENDIX C

BIOLOGICAL RESOURCES

Rincon Consultants, Inc.
66 Franklin Street, Suite 300
Oakland, California 94607
510-834-4455

February 20, 2026
Project No: 24-16287

Alex Jewell
Kimley-Horn
555 Capitol Mall, Suite 300
Sacramento, California 95814
Via email: alex.jewell@kimley-horn.com

Subject: Biological Resources Assessment for the Maverik Development Project at 12th Avenue and Highway 198, Hanford, Kings County, California

Dear Mr. Jewell:

Rincon Consultants, Inc. (Rincon) prepared this Biological Resources Assessment (BRA) to provide Kimley-Horn with an assessment of the potential impacts to biological resources associated with implementation of the Maverik Development Project (project) in Hanford, Kings County, California. This report documents the existing conditions of the project site and evaluates the potential for impacts to special-status species, sensitive communities, critical habitat, jurisdictional waters, and locally protected resources such as native trees. The biological evaluation herein includes the results of a background literature review and site reconnaissance survey conducted by Rincon.

Project Location and Description

The 21.4-acre project site is located in the City of Hanford, Kings County, California (Attachment 1, Figure 1). The project site is located at the southwest corner of the intersection of 12th Avenue and Highway 198. The project is comprised of a single Assessor Parcel Number (APN) 011-010-013-000 (parcel). Attachment 1, Figure 1 shows the regional location of the project site and Attachment 1, Figure 2 shows the project site's location in its local context.

The proposed project consists of two components: a subdivision and development of a convenience store and fueling area. The proposed subdivision would subdivide the existing 21.4-acre parcel into two parcels. One parcel would be 5.95 acres and would be where the proposed convenience store and fueling station would be located. The remaining 15.45 acres would be left as an undeveloped parcel. No proposed uses or improvements on the 15.45-acre are proposed at this time. Approval of the subdivision requires approval of a Tentative Parcel Map.

The proposed convenience store and fueling area would be developed on approximately 5.95 acres of the 21.4-acre site. The store will be approximately 5,982 square feet with twelve (12) fuel dispensers and canopy in front of the store and five (5) additional dispensers and canopy for commercial fueling at the back of the store, for a total of 17 fueling positions on site. The development will provide fueling, packaged beer and wine sales, as well as fresh food items. Restroom facilities will be open to the public. The store will operate 24 hours a day, 7 days a week.

Site access will be from a proposed private drive aisle along the site's southern border (across from W Hayden Ave), with three (3) access driveways to the proposed development. Provided parking includes thirty-nine (39) standard stalls (9 feet by 20 feet), with four (4) being EV designated and seven (7) of the parking stalls listed as EV capable, and two (2) accessible stalls. Bike parking is available near the entrances of the convenience store.

Regulatory Background

Regulatory authority over biological resources is shared by Federal, State, and local authorities under a variety of statutes and guidelines. Primary authority for general biological resources lies within the land use control and planning authority of local jurisdictions (in this instance, the City of Hanford). The California Department of Fish and Wildlife (CDFW) is a trustee agency for biological resources throughout the State under CEQA and also has direct jurisdiction under the California Fish and Game Code (CFGC). Under the California and Federal Endangered Species Acts (CESA/ESA), CDFW and the U.S. Fish and Wildlife Service (USFWS) also have direct regulatory authority over species formally listed as Threatened or Endangered, as well as native bird species listed under the Federal Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act. The U.S. Army Corps of Engineers (USACE) has regulatory authority over specific biological resources, namely wetlands and waters of the United States, under Section 404 of the Federal Clean Water Act (CWA). CDFW and Regional Water Quality Control Boards (RWQCB) protect waters and streambeds at the State level. The analysis in this biological resources assessment is guided by the requirements of these laws, and by the operating standards of the implementing agencies. The project site is located within the City of Hanford General Plan area. A summary of applicable regulations and agency jurisdictions is provided in Attachment 5.

Methods

The biological resources assessment for the project consisted of a review of relevant literature and database query results, a field reconnaissance survey of the 21.4-acre project footprint to determine what sensitive biological resources do or may occur on the parcel, and an evaluation of the proposed activity in the context of potentially occurring biological resources to evaluate impact significance under the California Environmental Quality Act (CEQA). The potential presence of special-status species is based on the literature review and a field survey designed to assess habitat suitability for, and presence of target species. The potential for impacts to these species was evaluated based on these findings as well as the proposed project plan.

Literature Review

The literature review included database research on special-status biological resource occurrences within the *Hanford, California* U.S. Geological Survey (USGS) 7.5-minute quadrangle and surrounding eight quadrangles (*Remnoy, Guernsey, Waukena, Burris Park, Lemoore, Riverdale, Laton, and Stratford*). Sources included the CDFW California Natural Diversity Database (CNDDB) (CDFW 2026d), Biogeographic Information and Observation System (CDFW 2026b), Natural Communities List Arranged Alphabetically by Life Form (CDFW 2026c), USFWS National Wetlands Inventory (NWI) (USFWS 2026a), USFWS Information for Planning and Consultation (IPaC) (USWFS 2026b), and USFWS Critical Habitat Portal (USFWS 2026c). Other resources included the California Native Plant Society's (CNPS) online Inventory of Rare and Endangered Plants of California (CNPS 2026).

Aerial photographs, topographic maps, soil survey maps, geologic maps, and climatic data in the area were also examined. A review of the information contained within these databases supported by the expert opinion of Rincon's biologists resulted in a list of special-status species and other resources to be evaluated for their presence or potential to occur at the project site.

Field Survey

A reconnaissance-level field survey was conducted to assess the habitat suitability for special-status species, map vegetation communities and landcover types, document and map the presence of any sensitive biological resources, identify potential jurisdictional waters or wetlands, and record observations of plant and wildlife species. The survey area was consistent with the limits of the 21.4-acre parcel defined herein as the "Study Area" (Attachment 1, Figure 2). Rincon biologist Alana Garza conducted the site visit on December 24, 2024, between the times of 0640 and 0815. Weather conditions consisted of a temperature of 51 degrees Fahrenheit (°F), with winds ranging from zero to five miles per hour and cloudy skies. The entire Study Area was surveyed on foot, and all biological resources encountered in the Study Area were recorded. Representative photographs of the Study Area were taken (Attachment 4).

Natural and semi-natural vegetation communities were classified based on *A Manual of California Vegetation, Second Edition* (MCV2; Sawyer et al. 2009), which establishes systematic classifications and definitions of vegetation communities. Where applicable, habitat characterizations were also based on the classification system presented in *Preliminary Description of Terrestrial Natural Communities of California* (Holland 1986) but have been modified slightly to reflect existing site conditions accurately. Each vegetation mapping unit was analyzed for characteristics to define the applicable vegetation community, such as dominant or co-dominant plant species and community membership rules. Land cover, rather than vegetation communities, was characterized in areas that appeared to be altered by anthropogenic activities and were dominated by non-native or ornamental vegetation (e.g., developed, disturbed). Wildlife species were identified by direct observation, vocalization, or by sign (e.g., burrows). A list of all plant and wildlife species observed is included in Attachment 3.

Existing Setting

Topography and Soils

The Study Area consists of a rectangular flat parcel of recently disked fallowed agricultural land. The land surrounding the Study Area is dominated by developed and agricultural areas. To the north and east, Highway 198 and 12th Avenue consist of primarily ornamental landscaping plants commonly found along maintained transportation corridors. Residential development with ornamental landscaping also occurs to the south, and an active cultivated agricultural parcel is present to the west.

The Study Area lies within an area of Kings County where the soil is characterized as "alluvial fan surfaces" (City of Hanford 2017). These alluvial fan surfaces are mantled with very deep, well-drained, saline-alkali soils. Based on the most recent Natural Resources Conservation Service (NRCS) soil survey for Kings County, California, the Study Area is mapped entirely as Nord complex , 0 to 2 percent slopes (U.S. Department of Agriculture 2025a). Nord complex is classified as well drained soil derived from alluvium that is predominantly nonhydric (U.S. Department of Agriculture 2025b).

Vegetation and Other Land Cover Types

One vegetation community and one land cover type were observed within the Study Area as described below and depicted in Attachment 1, Figure 3.

The CDFW California Sensitive Natural Communities List identifies sensitive natural communities throughout California, based in part on global and State rarity ranks (CDFW 2026). Natural communities having a rank of 1 to 3 are generally classified as sensitive, though some communities with other ranks may also be sensitive. No CDFW sensitive vegetation communities were found within the Study Area.

Upland Mustards or Star Thistle Fields

Upland mustards (*Brassica nigra* Herbaceous Semi-Natural Alliance) are widespread and can be found in fallow fields, rangelands, grasslands, roadsides, levee slopes, disturbed coastal scrub, riparian areas, cleared roadsides, and waste places at elevations between up to 9,186 feet (2,800 meters) above mean sea level (amsl). Mustards and other non-native plant species make up over 80 percent of relative cover, and mustard species are dominant (Sawyer et al. 2009). This vegetation community is ranked GNASNA due to the dominance of non-native species and is not considered sensitive (CDFW 2023).

Most of the Study Area consists of fallowed agricultural land that had been recently disked prior to the reconnaissance survey, making it challenging to identify the exact species composition during the survey. However, based on field observations of young mustard and grasses growing in the disked parts of the Study Area and analysis of past satellite imagery (Google Earth 2026), the Upland Mustards vegetation community was determined to be representative of the Study Area (Attachment 1, Figure 3). Dominant species likely include black mustard (*Brassica nigra*) and other non-native grasses and forbs typical of disturbed, fallowed agricultural land.

Developed Land

Developed and disturbed land cover is present within the Study Area, primarily along the northern and eastern boundaries adjacent to Highway 198 and 12th Avenue (Attachment 1, Figure 3). This land cover type is not naturally occurring and is not described in either the Holland (1986) or Sawyer et al. (2009) classification systems. Developed portions of the Study Area include roads, sidewalks, buildings, and paved or compacted surfaces with little to no vegetation.

In addition to these developed areas, the northern and eastern boundaries contain landscaped areas that appear to have been established during road construction activities along Highway 198 and 12th Avenue (Google Earth 2026). These landscaped areas are vegetated with ornamental or non-native plant species commonly used for erosion control or aesthetic purposes. While these areas provide some vegetative cover, they offer limited ecological value and are not classified as a sensitive land cover type.

General Wildlife

The Study Area provides suitable habitat for wildlife species that commonly occur in semi-rural, agricultural areas, as well as species that commonly occur in high use residential and commercial areas. Common avian species observed within or adjacent to the Study Area included American crow (*Corvus brachyrhynchos*) and house sparrow (*Passer domesticus*). Other wildlife species observed included California valley coyote (*Canis latrans ochropus*).

Special-Status Biological Resources

This section discusses special-status biological resources observed in the Study Area and evaluates the potential for the Study Area to support other special-status biological resources.

Special-status Species

Local, State, and Federal agencies regulate special-status species and may require an assessment of their presence or potential presence to be conducted prior to the approval of a proposed project. Assessments for the potential occurrence of special-status species are based upon known ranges, habitat preferences for the species, species occurrence records from the CNDDB, species occurrence records from other sites in the vicinity of the Study Area, and previous reports for the Study Area. The

potential for each special-status species to occur in the Study Area was evaluated according to the following criteria:

- **Not Expected.** Habitat on and adjacent to the Study Area is clearly unsuitable for the species' requirements (foraging, breeding, cover, substrate, elevation, hydrology, plant community, Study Area history, disturbance regime). Species is not present in the vicinity of the Study Area.
- **Low Potential.** Few of the habitat components meeting the species' requirements are present, and/or the majority of habitat on and adjacent to the Study Area is unsuitable or of very poor quality. The species may occur in the region but is not likely to be found within the Study Area.
- **Moderate Potential.** Some of the habitat components meeting the species' requirements are present, and/or only some of the habitat on or adjacent to the Study Area is unsuitable. The species is known to occur in the vicinity and has a moderate probability of being found within the Study Area.
- **High Potential.** All of the habitat components meeting the species' requirements are present and/or most of the habitat on or adjacent to the Study Area is highly suitable. The species has been recently documented in the vicinity and has a high probability of being found within the Study Area.
- **Present.** Species is observed within Study Area or has been recorded (e.g., CNDDB, other reports) within the Study Area recently (within the last 5 years).

For the purpose of this report, special-status species are those plants and animals listed, proposed for listing, or candidates for listing as threatened or endangered by the USFWS under the ESA; those listed or candidates for listing as Rare, threatened, or endangered under the CESA or Native Plant Protection Act; those identified as Fully Protected by the CFGC (Sections 3511, 4700, 5050, and 5515); those identified as species of special concern (SSC) by CDFW; and plants occurring on lists 1 and 2 of the CNPS California Rare Plant Rank (CRPR) system per the following definitions:

- **Rank 1A** = Plants presumed extinct in California
- **Rank 1B.1** = Rare or endangered in California and elsewhere; seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat)
- **Rank 1B.2** = Rare or endangered in California and elsewhere; fairly endangered in California (20-80% occurrences threatened)
- **Rank 1B.3** = Rare or endangered in California and elsewhere, not very endangered in California (<20% of occurrences threatened or no current threats known)
- **Rank 2** = Rare, threatened or endangered in California, but more common elsewhere

Based on the CNDDB database and literature review, 10 special-status plant species and 19 special-status wildlife species are documented throughout the eight-quadrangle region surrounding the Study Area. All 29 sensitive species were evaluated for potential to occur within the Study Area (Attachment 2).

Special-Status Plant Species

Ten special-status plant species known to occur within the Hanford quadrangle and surrounding eight quadrangles (CNDDB/CNPS 9-quadangle search) were evaluated for their potential to occur in the Study Area (see Attachment 2). The Study Area consists mostly of recently disked, fallowed agricultural land with early growth mustard interspersed with annual grasses. Developed landscaped areas are present along the parcel's northern and easternmost boundaries and contain ornamental shrubs. Although no special-status plant species were observed within the Study Area, four special-status plant species have the potential to occur. These include Earlimart orache (*Atriplex cordulata var.* erecticaulis), brittlescale (*Atriplex depressa*), lesser saltscale (*Atriplex minuscula*), and subtle orache (*Atriplex subtilis*). The presence of suitable soils for these species throughout the Study Area suggests that there is low

potential for these species to occur on the parcel. However, the parcel is routinely disked, which is not conducive to sustained special-status *Atriplex* populations. Although a winter survey limits the ability to identify annual plants in the parcel, the routine disking of the project site indicates that these species are unlikely to be present. The remaining six special-status plant species evaluated are not expected to occur because the Study Area lacks the habitat features required such as vernal pools, marshes, swamps, or clay/gypsum soils.

No other special-status, Federal, or State listed plant species were observed or otherwise detected within the Study Area during the reconnaissance field survey. Attachment 2 provides a discussion of special-status plant species documented within the 9-quadrangle search surrounding the Study Area, their habitat requirements and potential for occurrence in the Study Area.

Special-Status Wildlife Species

Based on the CNDDB database and literature review, 19 special-status wildlife species have been recorded or have the potential to occur within the vicinity (9-quadrangle CNDDB search area) of the Study Area (Attachment 2). Of these species, one has a low potential to occur and two have a moderate potential to occur. The remaining 16 species are not expected to occur within the Study Area or immediate vicinity based on known distributions, habitat requirements, and existing site conditions. These three species were determined to have potential to occur based on their published ranges and the type, extent, and condition of habitat available within the Study Area and adjacent areas. Table 1 provides a summary of these species and a discussion of the three species with potential to occur within the Study Area is provided below.

No Federal or State listed species or sign were observed within the Study Area during the field reconnaissance survey.

Table 1 Special-Status Wildlife Species with Potential to Occur within the Study Area

Common Name	Scientific Name	Status	Potential to Occur
Crotch's bumble bee	*Bombus crotchii*	SCE	Moderate Potential
Hoary bat	*Lasiurus cinereus*	SSC	Moderate Potential
Swainson's hawk	*Buteo swainsoni*	ST	Low Potential

FE = Federally Endangered; FT = Federally Threatened; FP = Federally Protected; ST = State Threatened; SSC = California Department of Fish and Wildlife Species of Special Concern; SCE = State Candidate Endangered

Crotch's Bumble Bee

Crotch's bumble bee is a State candidate endangered species that inhabits open grassland and scrub areas, requiring a hotter and drier habitat than many other bumble bee species. This species nests underground, often in abandoned rodent dens. The species visits a wide range of host plants and is therefore considered a dietary generalist (Xerces Society 2026). There is one recent CNDDB recorded occurrence of the species within a 5-mile radius in 2024.

The Study Area consists of recently disked, fallowed agricultural land bounded by major roadways and development. During the survey, early growth mustard was observed interspersed with annual grasses, and additional ruderal flowering forbs are expected to be present as vegetation regrows. These plants, along with ornamental flowering plants present within the adjacent parcels, may provide suitable foraging resources. However, the Study Area was observed to be absent of suitable nesting habitat (small mammal burrows). Therefore, the species has a moderate potential to occur in the Study Area while foraging or transiting between foraging sites.

Hoary Bat

Hoary Bat is a CDFW species of special concern that typically roosts in both native and ornamental trees with dense foliage that provides cover during the day and may change roosting locations frequently. They forage at night over open habitats such as agricultural fields where flying insects are abundant and may travel long distances between roost sites and foraging areas (Pierson and Rainey 2008).

The southeastern corner of the Study Area contains ornamental trees that surround an existing residence and ornamental trees are present along the southern adjacent parcels associated with residential and agricultural properties. These trees may provide suitable roosting habitat and the open fallowed agricultural land of the Study Area may provide suitable foraging habitat. Although the Study Area lacks riparian or open water habitat, the Study Area and adjacent parcels may provide suitable roosting and foraging habitat. Therefore, the species has moderate potential to occur within the Study Area.

Swainson's Hawk

Swainson's hawk is a State threatened species that breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. The species requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations. Prey species include squirrels, mice, voles, rabbits, and insects. Nests are typically built in solitary trees or small groves of trees near streams (Cornell Lab of Ornithology 2025).

The Study Area primarily consists of recently disturbed, fallowed agricultural land that does not contain a significant amount of mature trees for nesting habitat or small mammal prey base. The ornamental trees present in the southeastern corner of the Study Area, and the trees present in adjacent residential parcels to the south may provide some nesting opportunities. However, these trees provide limited nesting suitability due to the limited extent of cover and their proximity to urban development and major roadways. The Study Area and adjacent agricultural fields may provide suitable foraging for transient individuals; however, the routine disking on the site limits the abundance of small mammal prey in the Study Area. Therefore the species has low potential to occur within the Study Area for foraging opportunities and is not expected to use the area for nesting.

Nesting Birds

The Study Area contains marginal habitat to support regulated nesting birds and raptors protected under the CFGC 3503, 3503.5, and 3513, and the MBTA (16 United States Code §§ 703-712). Ornamental shrubs along the northern and eastern margins of the Study Area in the landscaped areas adjacent to Highway 198 and 12th Avenue roadways, and ornamental trees present within the southeastern corner of the Study Area may provide nesting habitat for common bird species. The remainder of the Study Area consists of a recently disked, fallowed agricultural field with limited nesting habitat for tree or shrub nesters. However, some bird species adapted to open or disturbed habitats, such as killdeer (*Charadrius vociferus*) and red-winged blackbird (*Agelaius phoeniceus*), may nest on the ground or in dense stands of vegetation, such as mustard, if allowed to grow. Potential nesting habitat was also observed in areas adjacent to the Study Area, particularly within the residential areas to the south, where scattered trees and shrubs provide suitable nesting habitat. No inactive or active nests were observed within the Study Area during the field reconnaissance survey.

Sensitive Natural Communities and Critical Habitat

Sensitive Natural Communities

Plant communities are also considered sensitive biological resources if they have limited distributions, have high wildlife value, include sensitive species, or are particularly susceptible to disturbance. CDFW ranks sensitive communities as "threatened" or "very threatened" and keeps records of their occurrences in CNDDB. CNDDB vegetation alliances are ranked 1 through 5 based on NatureServe's (2010) methodology, with those alliances ranked globally (G) or Statewide (S) as 1 through 3 considered sensitive. Some alliances with the rank of 4 and 5 have also been included in the 2019 sensitive natural communities list under CDFW's revised ranking methodology (2019b).

No sensitive natural communities are present in the project site or Study Area.

Critical Habitat

Based on the IPaC review, no critical habitat is present within or adjacent to the Study Area.

Jurisdictional Waters and Wetlands

No potentially jurisdictional waters or wetlands exist within or adjacent to the Study Area.

Wildlife Movement

Wildlife movement corridors, or habitat linkages, are generally defined as connections between habitat patches that allow for physical and genetic exchange between otherwise isolated animal populations. Such linkages may serve a local purpose, such as providing a linkage between foraging and denning areas, or they may be regional in nature. Some habitat linkages may serve as migration corridors, wherein animals periodically move away from an area and then subsequently return. Other corridors may be important as dispersal corridors for young animals. A group of habitat linkages in an area can form a wildlife corridor network.

Habitats within a habitat linkage do not necessarily need to be identical to those habitats being linked. Rather, the linkage needs only to contain sufficient cover and forage to allow temporary utilization by species moving between core habitat areas. Habitat linkages are typically contiguous strips of natural areas, though dense plantings of landscape vegetation can be used by certain disturbance-tolerant species. Some species may require specific physical resources (such as rock outcroppings, vernal pools, or oak trees) within the habitat link for the linkage to serve as an effective movement corridor, while other more mobile or aerial species may only require discontinuous patches of suitable habitat to permit effective dispersal and/or migration. Wildlife movement corridors may occur at either large or small scales.

The Study Area consists of recently disked, fallowed agricultural land bounded by major roadways to the north and east and residential and agricultural land to the south and west. The use of the Study Area as a corridor is likely limited due to the surrounding fragmented landscape of agriculture and urban development which reduce habitat connectivity and movement to short distance opportunistic use. Although the Study Area does not provide a substantial movement corridor or habitat linkage, it may be used for local movement by common disturbance tolerant wildlife that travel through agricultural areas and along roadsides while foraging (e.g., small mammals and common birds). Therefore, the Study Area provides a minor local movement area for common wildlife, but it does not function as a significant wildlife corridor or regional habitat linkage.

Wildlife nursery sites (e.g., dens, burrows, or maternity roosts) were not observed during the reconnaissance survey. The Study Area primarily consists of disked agricultural land and contains limited structural habitat to support denning wildlife. Ornamental trees are present within and adjacent to the Study Area and may provide roosting habitat for bats. However, no evidence of bat maternity roosting was observed during the reconnaissance survey.

Local Policies and Ordinances

City of Hanford 2035 General Plan (2017)

The City of Hanford 2035 General Plan includes policies aimed at protecting biological resources and ensuring that future development considers habitat conservation (City of Hanford 2017). The General Plan emphasizes the preservation and enhancement of natural open space areas (Policy O31) and the establishment of permanent mechanisms to protect wetlands and riparian corridors where feasible (Policy O32). Additionally, vernal pools that may exist within the Planning Area are to be identified and protected (Policy O33).

To minimize the impacts of human activity on sensitive habitats, the General Plan includes policies to avoid disturbances from new recreational facilities and programs (Policy O34) and requires careful evaluation of potential biological resource impacts when considering development projects (Policy O35). The plan also promotes the management or elimination of nonnative invasive species on City owned properties (Policy O36), the preservation of mature trees (Policy O37), and the planting of native tree species and drought tolerant vegetation (Policy O38).

To protect wildlife and sensitive species, the General Plan establishes programs to protect endangered wildlife and their habitats through environmental review processes (Policy O39) and encourages collaboration with State, Federal, and local agencies to preserve sensitive wildlife species (Policy O40).

These policies reflect the City of Hanford's commitment to integrating biological resource conservation with future urban growth, ensuring that development projects consider and mitigate potential environmental impacts.

Impact Analysis and Recommendations

This section discusses the potential impacts and effects to biological resources that may occur from implementation of the proposed project.

Special-Status Species

The proposed project would have a significant effect on biological resources if it would:

a) *Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.*

Special-Status Plants

Four special-status plants have low potential to occur within the Study Area based on regional database review, the presence of potentially suitable grassland habitat, and alkaline soil. The survey was conducted in the winter when special-status species may not have been detectable. Ground disturbances associated with project activities could result in direct impacts to special-status plants if they are present.

Implementation of BIO-4 would ensure that any special-status plants are identified before project activities and that avoidance/minimization measures are implemented if found within the Study Area. Therefore, impacts to special-status plants would be less than significant with implementation of BIO-4.

Special-Status Wildlife

Crotch's Bumble Bee

Crotch's bumble bee has moderate potential to occur within the Study Area while foraging due to the seasonal availability of ruderal flowering forbs (e.g., mustard) as vegetation regrows following disking of the Study Area. The landscaped portions of the Study Area and adjacent parcels may also provide flowering resources for the species. Project related ground disturbance and vegetation removal could result in direct impacts to individuals if present and the species can be indirectly impacted through removal of foraging resources. Avoidance and Minimization Measures BIO-2, BIO-5, and BIO-6 are recommended to reduce impacts to Crotch's bumble bee to less than-than-significant levels by requiring pre-construction surveys, conducting environmental training for all workers, and avoiding impacts to the species, if detected.

Hoary Bat

Hoary bat has moderate potential to occur in the Study Area due to the presence of onsite ornamental trees that may provide limited roosting habitat and the availability of nearby open foraging habitat. If project activities include removal or trimming of trees within or immediately adjacent to the project footprint, the project could result in direct impacts to roosting bats if present, and indirect impacts from disturbance within 100-feet of roost sites. Avoidance and Minimization Measures BIO-3, BIO-5, and BIO-6 are recommended to reduce impacts to special-status bats to less-than-significant by requiring pre-construction tree assessments and roost avoidance measures, conducting environmental training for all workers, and implementing general best management practices to avoid impacts if bats are detected.

Swainson's Hawk

Swainson's hawk has low potential to occur within the Study Area. The Study Area consists primarily of disturbed, disked agricultural land and does not provide substantial nesting habitat. Ornamental trees are present within the southeastern corner of the Study Area and in adjacent residential landscaping. These trees provide limited nesting suitability due to the ornamental setting and proximity to urban development and major roadways. Swainson's hawk may occur as a transient flyover or occasional forager over the Study Area and adjacent agricultural lands. Project implementation could result in direct or indirect impacts if an active nest were present within trees located in the Study Area or immediately adjacent parcels (e.g., disturbance from vegetation removal, noise, vibration, and human activity during the nesting season). Avoidance and Minimization Measures BIO-1, BIO-5, and BIO-6 are recommended to reduce impacts to Swainson's hawk to less-than-significant levels by requiring pre-construction nesting bird surveys and establishment of no-disturbance buffers, conducting environmental training for all workers, and implementing general best management practices to avoid impacts if the species is detected.

Nesting Birds

The Study Area does however contain habitat with the potential to support nesting birds protected under the CFGC and the MBTA. Therefore, the project could result in direct or indirect impacts to nesting birds. Direct impacts may include mortality from vehicle or equipment strikes as foraging birds move through the project site, and physical impacts to active nests within project site. Indirect impacts could result from noise, vibrations, and dust from construction activities throughout the project site. Noise, vibrations,

and dust can cause birds to flush out of cover and become exposed to predators or vehicle strikes. If construction activities occur during the nesting season (generally February 1 to August 31), noise, vibrations, and dust can also cause nest failures. Adults may not return to nests, predators may feed on eggs or chicks in unprotected nests, or vibrations could cause eggs to fall out of nests. Noise, dust, and vibrations may also cause avian species to leave regular foraging areas. Potential direct and indirect impacts to special-status avian species would be reduced to less than significant through implementation of recommendations BIO-1, BIO-5, and BIO-6.

Recommended Avoidance and Minimization Measures

BIO-1 Pre-construction Survey and Impact Avoidance for Raptors and Other Nesting Birds

To prevent the loss of active special-status and non-special-status bird nests, juveniles or adults, project activities including vegetation clearing shall be conducted outside of the breeding season (February 1 through August 31) to the extent feasible.

If project activities will occur between February 1 and August 31, a pre-construction nesting bird survey shall be conducted by a qualified biologist no more than 7 working days prior to the activity to survey for special-status and non-special-status bird and raptor nests. The survey area shall include the project footprint and a 100-foot buffer for passerine species, a 300-foot buffer for burrowing owls, and a 300-foot buffer for raptor species. Following the survey, the following shall be implemented:

- A nesting bird survey report shall be submitted prior to the initiation of project activities. The report shall detail the methods and results of the survey including identification of the location of any active nests and make a determination if ongoing monitoring should be conducted and/or no-disturbance buffers should be established.
- If active nests are identified during the survey and/or work is scheduled to take place within 100 feet of active passerine nests, or 300 feet of active raptor nests, a qualified biologist shall determine appropriate no-disturbance buffers. The buffer shall be the minimum distance required to avoid take of the nest and shall be determined based on the species identified, activities proposed, level of existing noise, and line of sight from the disturbance to the nest.
- A qualified biological monitor shall be present at the initiation of project activities occurring within 100 feet of active passerine nests, or 300-feet of active raptor nests, to ensure that project activities do not negatively affect the success of the nest. Duration and frequency of monitoring shall be determined at the discretion of the qualified biologist.
- If nesting bird monitoring is conducted, a nesting bird monitoring report shall be submitted to the City detailing the results of monitoring activities. The report shall be submitted within 30 days of the completion of the activities or nesting season.

BIO-2 Pre-Construction Survey and Impact Avoidance for Crotch's Bumble Bee

To avoid potential impacts to Crotch's bumble bee (*Bombus crotchii*), the following measures should be implemented:

- To the extent feasible, ground disturbance and vegetation removal should be conducted outside of the colony active period (April 1 through August 31).

- If ground-disturbing activities are scheduled to occur during the colony active period, a qualified biologist should conduct a pre-construction survey of the project footprint and within 100-feet of anticipated disturbance areas, no more than 14 days prior to ground disturbance to determine the presence of suitable floral resources and potential bumble bee activity.
- If Crotch's bumble bee individuals or nesting colonies are observed, a qualified biologist should establish appropriate no-disturbance buffers around occupied habitat areas. The size of the buffer should be determined by the qualified biologist based on site conditions and species behavior.
- If an active colony is identified and cannot be avoided, the qualified biologist in coordination with the applicant should coordinate with the California Department of Fish and Wildlife, as appropriate, and implement additional avoidance measures as necessary to avoid impacts.
- A pre-construction survey report should be submitted to the City following completion of the pre-construction survey.

BIO-3 Pre-Construction Survey and Impact Avoidance for Special-Status Bats

Although suitable bat roosting habitat is limited within the project footprint, special-status bats such as hoary bat (*Lasiurus cinereus*) may occur in adjacent areas. To avoid and minimize potential impacts, the following measures shall be implemented:

- If project activities include removal or trimming of trees within or immediately adjacent to the project footprint, a qualified biologist should conduct a pre-construction assessment of trees to identify potential bat roosting no more than 14 days prior to tree removal or trimming.
- If evidence of bat roosting is observed, the qualified biologist should establish appropriate no-disturbance buffers around the roost site until bats have vacated the area.
- To the extent feasible, tree removal should occur outside of the bat maternity season (April 1 through August 31).
- If bats are observed during construction activities and are in jeopardy of being directly impacted, work in the immediate vicinity should cease until a qualified biologist evaluates the situation and provides appropriate avoidance recommendations.

BIO-4 Pre-Construction Survey and Impact Avoidance for Special-Status Plants

The biological field survey for the project was conducted during the winter season when special-status plant species may not have been detectable. To avoid or minimize potential impacts to special-status plant species, the following measures shall be implemented:

- Within one year prior to the initiation of ground-disturbing activities, a qualified botanist should conduct a focused rare plant survey of the project footprint and within fifty feet of proposed disturbance areas.
- The focused rare plant survey should be conducted in accordance with the California Native Plant Society (CNPS) Botanical Survey Guidelines, be conducted during the appropriate blooming period for special-status plant species with potential to occur in the site (refer to Attachment 2), and should confirm the presence or absence of special-status plant species.
- If special-status plant species are identified, the qualified botanist should map the boundaries of the population. The biologist should work with the project design and/or contractor team to avoid the special-status plant occurrence(s), as mapped in the field by the botanist.

If complete avoidance of the special-status plant occurrence(s) is not feasible, the following mitigation measures should be implemented:

- If the identified species is listed under the CESA as candidate, threatened, or endangered, all project activities that could impact the occurrences should cease and the applicant should coordinate with the CDFW to determine the need for a 2081-Incidental Take Permit. Direct or indirect impacts to the occurrence(s) or within 50-feet of the occurrence(s) must be avoided unless the applicant obtains a 2081-Incidental Take Permit or other authorization from the CDFW.
- If the special-status plant species are not CESA-listed and are CNPS Rare Plant Rank 1 or 2 and/or listed under the Federal Endangered Species Act, the following should be implemented:
  - For annual and perennial species, the biologist will collect seed prior to project disturbance, store the seed in a cool and dry place, and redistribute the collected seed in suitable soil in the temporarily disturbed portions of the project area following completion of disturbance.
  - If seed is not available due to project timing, the applicant and the botanist should implement a soil seed bank salvage program to promote the continued existence of the species on the parcel. Soil from the project disturbance areas containing the special-status species seed should be collected and reapplied. To accomplish this, the upper 6 inches of soil located within the vicinity of occurrence(s) should be collected prior to grading activities. The collected soil should be distributed in the temporary disturbance areas following completion of the grading activities or in adjacent undisturbed areas on the parcel.
  - The broadcasted seed and/or salvaged soil distribution area should be monitored for two consecutive seasons to determine if the redistributed seed and/or soil supports germination of the targeted species. If germination is not observed, the applicant and their biologist should continue the seed collection and distribution efforts until germination is confirmed in the distribution areas.
- A rare plant survey report should be submitted to the City prior to initiation of ground-disturbing activities if focused surveys are conducted.

BIO-5 Worker Environmental Awareness Program (WEAP)

Prior to initiation of construction activities (including staging and mobilization), all personnel associated with project construction should attend a WEAP training, conducted and prepared by a qualified biologist, to aid workers in recognizing special-status species, native or nesting birds and other biological resources that may occur in the construction area. The specifics of this program will include identification and habitats of special-status species with potential to occur at the project site, a description of the regulatory status and general ecological characteristics of sensitive resources, a review of the limits of construction, and an explanation of the mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information shall also be prepared by the qualified biologist for distribution to all contractors, their employers, and other personnel involved with construction. All personnel shall sign a form provided by the trainer indicating they have attended the WEAP and understand the information presented to them.

BIO-6 General Best Management Practices

The following General BMPs would be implemented by project personnel:

- Prior to mobilization, the contractor would clearly delineate the project limits and prohibit any project-related work outside those boundaries.
- Project-related vehicles would observe a 5-mile-per-hour speed limit within the unpaved limits of the project.

- All food-related trash items such as wrappers, cans, bottles, and food scraps generated during the proposed project would be disposed of in closed containers only and removed daily from the project site.
- No deliberate feeding of wildlife would be allowed.
- No pets would be allowed on the project site.
- No firearms would be allowed on the project site.
- If vehicle or equipment maintenance is necessary, it would be performed in the designated staging areas.
- If project activities must occur at night (between dusk and dawn), all lighting would be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties and to reduce impacts on local wildlife.
- Heavy equipment would be operated in accordance with standard BMPs. Equipment used on-site would be properly maintained to avoid leaks of oil, fuel, or residues. Provisions would be in place to remediate any accidental spills.

Sensitive Plant Communities and Critical Habitat

The proposed project would have a significant effect on biological resources if it would:

b) Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service.

No sensitive plant communities or riparian habitats are present within the Study Area. Therefore, there would be no impacts to sensitive natural communities.

Jurisdictional Waters and Wetlands

The proposed project would have a significant effect on biological resources if it would:

c) Have a substantial adverse effect on State or Federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.

There are no protected wetlands or waterways within the project site or Study Area. Therefore, there would be no impacts to jurisdictional waters and wetlands.

Wildlife Movement

The proposed project would have a significant effect on biological resources if it would:

d) Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors or impede the use of wildlife nursery sites.

The Study Area is a disturbed, recently disked agricultural field bounded by major roadways, surrounding development, and agriculture. Common disturbance tolerant wildlife may move through the Study Area for local travel and foraging. However, the Study Area does not connect larger habitat areas and movement in the general region is already constrained by Highway 198, 12th Avenue, and adjacent development. Therefore, the project would not substantially interfere with wildlife movement or established corridors. Wildlife nursery sites were not observed during the reconnaissance survey, and no evidence of bat maternity roosting was observed in trees present within or adjacent to the Study Area. Avoidance and Minimization Measures BIO-3, BIO-5, and BIO-6 are recommended to reduce impacts on

wildlife movement and nursery sites to less-than-significant levels by requiring pre-construction bat roost surveys if tree work is proposed, conducting environmental training for all workers, and implementing general best management practices.

Local Policies and Ordinance

The proposed project would have a significant effect on biological resources if it would:

e) *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance*

Ornamental trees are present within the southeastern corner of the Study Area near an existing residence, and landscaped shrubs occur along portions of the northern and eastern margins of the Study Area. Consistent with applicable local policies regarding preservation of mature trees and installation of drought-tolerant/native landscaping, project design should retain and avoid impacts to onsite trees to the extent feasible. If tree removal or trimming is required, the applicant should coordinate with the City to confirm applicability of local tree preservation requirements and obtain any required approvals prior to removal. landscaping associated with the project should be designed to comply with local policies by incorporating native and/or drought-tolerant plant species to the extent feasible. With implementation of these design considerations and adherence to applicable City requirements, the proposed project is not expected to conflict with local policies or ordinances protecting biological resources.

Habitat Conservation Plan

The proposed project would have a significant effect on biological resources if it would:

f) *Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or State habitat conservation plan.*

The Study Area does not fall within the jurisdiction of any Habitat Conservation Plans (HCP). Therefore, there would be no conflicts with HCPs.

Conclusion

The Study Area consists of recently disked fallowed agricultural land with minimal vegetation and no sensitive natural communities, jurisdictional waters or wetlands, or designated critical habitat. Four special-status plant species have low potential to occur within the Study Area due to the presence of suitable alkaline soil and the potential presence of suitable grassland habitat. However, the winter reconnaissance survey conducted outside of the appropriate blooming season limited the ability to detect special-status plants. One special-status wildlife species, Swainson's hawk, was determined to have a low potential to occur within the Study Area and may occur as a transient flyover or use the area for foraging. Crotch's bumble bee and hoary bat have moderate potential to occur within the Study Area as foraging, roosting, or transient individuals associated with the ruderal flowering forbs and ornamental trees found within the Study Area. The Study Area also provides marginal habitat for nesting birds, and potential impacts to nesting birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFGC) could occur if vegetation removal or construction activities take place during the nesting season.

With implementation of the recommended Avoidance and Minimization Measures (BIO-1 through BIO-6), including pre-construction nesting bird surveys, focused rare plant surveys during the appropriate blooming period, pre-construction surveys and assessments for Crotch's bumble bee and bats, WEAP

training, and general best management practices, potential impacts to biological resources would be avoided or reduced to less-than-significant levels.

Thank you for the opportunity to work with you on this project. Please contact Caleb Yakel at cyakel@rinconconsultants.com or Travis Belt at tbelt@rinconconsultants.com if you have questions concerning the contents of this report.

Sincerely,
Rincon Consultants, Inc.



Caleb Yakel
Biologist



Travis Belt
Director, Natural Resources

Attachments

Attachment 1 Figures
Attachment 2 Special-Status Species Evaluation Tables
Attachment 3 Floral and Faunal Compendium
Attachment 4 Representative Site Photographs
Attachment 5 Regulatory Background

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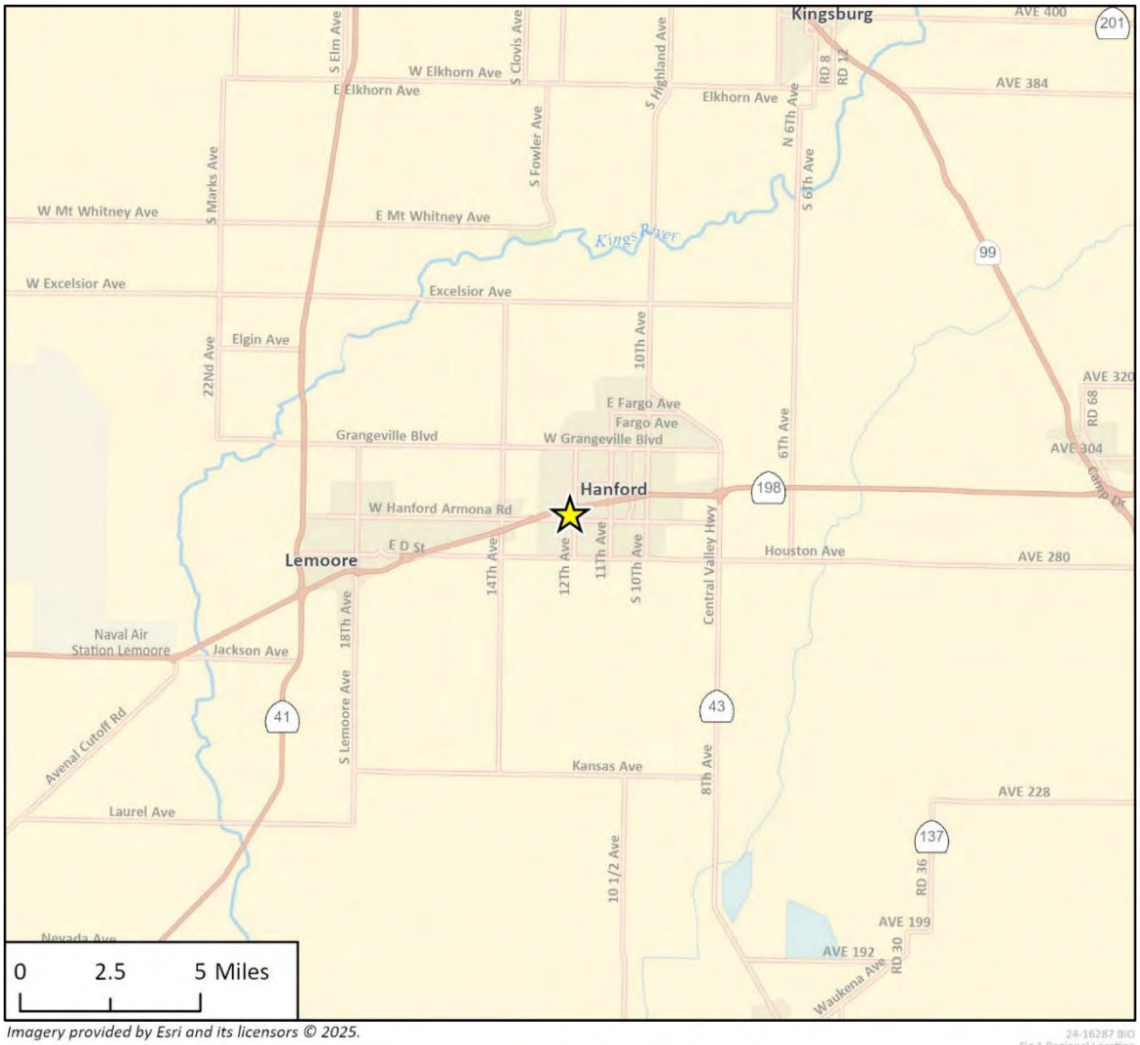
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Attachment 1

Figures

Figure 1 Regional Location



Imagery provided by Esri and its licensors © 2025.

24-16287 BIO
Fig 1 Regional Location

Project Location

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Figure 2 Project Footprint and Study Area



Imagery provided by Microsoft Bing and its licensors © 2025.

24-16287 BIO
Fig X Project Location

Figure 3 Vegetation Communities and Land Cover



Imagery provided by Microsoft Bing and its licensors © 2025.

24-16287 BIO
Fig X Vegetation

Attachment 2

Special-Status Species Evaluation Tables

Special-Status Plant Species in the Regional Vicinity of the Study Area

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur	Rationale
Atriplex cordulata var. *erecticaulis* Earlimart orache	None/None GNRT1/S1 1B.2	Annual herb. Valley and foothill grassland. Elevations: 130-330ft. (40-100m.) Blooms Aug-Sep(Nov).	Low Potential	The survey was not conducted in the appropriate season to confirm the presence or absence of this species. The Study Area consists of recently disked, fallowed agricultural land with early growth mustard interspersed with annual grasses, which is not conducive to supporting special-status plants. Saline-alkali alluvial soil is mapped in the Study Area. Due to the appropriate soil being present in the Study Area, there is a low potential for the Study Area to support this species.
Atriplex depressa brittlescale	None/None G2/S2 1B.2	Annual herb. Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Alkaline, clay. Elevations: 5-1050ft. (1-320m.) Blooms Apr-Oct.	Low Potential	The survey was not conducted in the appropriate season to confirm the presence or absence of this species. The Study Area consists of recently disked, fallowed agricultural land with early growth mustard interspersed with annual grasses, which is not conducive to supporting special-status plants. The Study Area is mapped as saline-alkali alluvial soils that may support *Atriplex spp.* Due to the appropriate soil being present in the Study Area, there is a low potential for the species to occur in the Study Area.
Atriplex minuscula lesser saltscale	None/None G2/S2 1B.1	Annual herb. Chenopod scrub, playas, valley and foothill grassland. Alkaline, sandy. Elevations: 50-655ft. (15-200m.) Blooms May-Oct.	Low Potential	The survey was conducted outside of the appropriate season required to confirm presence or absence of this species. The Study Area consists of recently disked, fallowed agricultural land with early growth mustard interspersed with annual grasses, conditions that are generally not suitable for special-status plant species Although saline-alkali alluvial soils are mapped within the Study Area, the disturbed agricultural setting provides limited habitat for the species. Therefore, the species has low potential to occur within the Study Area.
Atriplex subtilis subtle orache	None/None G1/S1 1B.2	Annual herb. Valley and foothill grassland. Alkaline. Elevations: 130-330ft. (40-100m.) Blooms (Apr)Jun-Sep(Oct).	Low Potential	The survey was not conducted in the appropriate season to confirm the presence or absence of this species. The Study Area consists of recently disked, fallowed agricultural land with early growth mustard interspersed with annual grasses, which is not conducive to supporting special-status plants. Saline-alkali alluvial soils are mapped within the Study Area. Although appropriate soils are present within the Study Area, there is a low potential for the Study Area to support this species due to frequent disturbance from agricultural activities and the lack of intact native vegetation.
Delphinium recurvatum recurved larkspur	None/None G2/S2 1B.2	Perennial herb. Chenopod scrub, cismontane woodland, valley and foothill grassland. Alkaline. Elevations: 10-2590ft. (3-790m.) Blooms Mar-Jun.	Not Expected	Chenopod scrub, woodland, and intact native valley grassland is lacking in the Study Area. The species is not expected to occur.
Lasthenia chrysantha alkali-sink goldfields	None/None G2/S2 1B.1	Annual herb. Vernal pools. Alkaline. Elevations: 0-655ft. (0-200m.) Blooms Feb-Apr.	Not Expected	The Study Area does not contain vernal pool habitat. The species is not expected to occur within the Study Area.
Lepidium jaredii ssp. *album* Panoche pepper-grass	None/None G2G3T2T3/S2S3 1B.2	Annual herb. Valley and foothill grassland. White or grey clay lenses on steep slopes; incidental in alluvial fans and washes. Clay and gypsum-rich soils. Elevations: 605-2445ft. (185-745m.) Blooms Feb-Jun.	Not Expected	The Study Area is outside of the species known elevation range and no suitable clay or gypsum rich soils are present within the Study Area. Therefore, the species is not expected to occur.
Nama stenocarpa mud nama	None/None G4G5/S1S2 2B.2	Annual/perennial herb. Marshes and swamps. Lake shores, river banks, intermittently wet areas. Elevations: 15-1640ft. (5-500m.) Blooms Jan-Jul.	Not Expected	No suitable marsh or swamp habitat occurs within the Study Area. The species is not expected to occur within the Study Area.
Puccinellia simplex California alkali grass	None/None G2/S2 1B.2	Annual herb. Chenopod scrub, meadows and seeps, valley and foothill grassland, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. Elevations: 5-3050ft. (2-930m.) Blooms Mar-May.	Not Expected	There is no suitable chenopod scrub, meadow, vernal pool, or grassland habitat within the Study Area. The species is not expected to occur.
Sagittaria sanfordii Sanford's arrowhead	None/None G3/S3 1B.2	Perennial rhizomatous herb (emergent). Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. Elevations: 0-2135ft. (0-650m.) Blooms May-Oct(Nov).	Not Expected	No suitable marsh or swamp habitat occurs within the Study Area. The species is not expected to occur within the Study Area.

Regional Vicinity refers to within a 9-quad search radius of site.

Status (Federal/State)

FE = Federal Endangered
FT = Federal Threatened
FPE = Federal Proposed Endangered
FPT = Federal Proposed Threatened
FC = Federal Candidate
SE = State Endangered
ST = State Threatened
SCE = State Candidate Endangered
SCT = State Candidate Threatened
SR = State Rare
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List

Other Statuses

G1 or S1 Critically Imperiled Globally or Subnationally (state)
G2 or S2 Imperiled Globally or Subnationally (state)
G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)
G4/5 or S4/5 Apparently secure, common and abundant
GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

CRPR (CNPS California Rare Plant Rank)

1A = Presumed extirpated in California, and rare or extinct elsewhere
1B = Rare, Threatened, or Endangered in California and elsewhere
2A = Presumed extirpated in California, but common elsewhere
2B= Rare, Threatened, or Endangered in California, but more common elsewhere

CRPR Threat Code Extension

.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
.2 = Moderately threatened in California (20-80% of occurrences threatened/moderate degree and immediacy of threat)
.3 = Not very endangered in California (<20% of occurrences threatened/low degree and immediacy of threat)

Additional notations may be provided as follows

T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)
Q – Questionable taxonomy that may reduce conservation priority

Special-Status Animal Species in the Regional Vicinity of the Study Area

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur	Rationale
Invertebrates				
Bombus crotchii Crotch's bumble bee	None/SCE G2/S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	Moderate Potential	The Study Area consists of fallowed ag land with early growth mustard interspersed with annual grasses. Ruderal flowering forbs such as mustard may provide as suitable foraging resources. The adjacent developed parcels may also provide ornamental flowering resources. Although small mammal burrows were observed absent from the Study Area, there is moderate potential for the species to occur.
Branchinecta lynchi vernal pool fairy shrimp	FT/None G3/S3	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools. Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools.	Not Expected	No suitable aquatic habitat is present within the Study Area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Danaus plexippus Monarch butterfly	FPT/None G4T1T2Q/S2	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree stands and groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	Not Expected	There are no suitable foraging opportunities for the species within the Study Area due to the lack of milkweed and other flowering plants. Additionally, there are no suitable roosting sites present within or near the Study Area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). Therefore, the species is not expected to occur within the Study Area.
Desmocerus californicus dimorphus valley elderberry longhorn beetle	FT/None G3T3/S3	Occurs only in the Central Valley of California, in association with blue elderberry (Sambucus mexicana). Prefers to lay eggs in elderberries 2-8 inches in diameter; some preference shown for "stressed" elderberries.	Not Expected	Blue elderberry plants are absent within the Study Area and adjacent properties. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). Reconnaissance survey did not detect species. The species is not expected to occur within the Study Area.
Lepidurus packardi vernal pool tadpole shrimp	FE/None G3/S3	Inhabits vernal pools and swales in the Sacramento Valley containing clear to highly turbid water. Pools commonly found in grass-bottomed swales of unplowed grasslands. Some pools are mud-bottomed and highly turbid.	Not Expected	Suitable vernal pool and swale habitat is absent within the Study Area. There is one recorded occurrence within 5 miles of the Study Area in 1990 (CDFW 2026a). The species is not expected to occur within the Study Area.
Amphibians				
Ambystoma californiense pop. 1 California tiger salamander - central California DPS	FT/ST G2G3T3/S3 WL	Lives in vacant or mammal-occupied burrows throughout most of the year; in grassland, savanna, or open woodland habitats. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	Not Expected	No burrows were observed within the Study Area and no suitable vernal pool or other aquatic habitat is present. The species is not expected to occur within the Study Area.
Spea hammondii western spadefoot	FPT/None G2G3/S3S4 SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	Not Expected	Suitable aquatic habitat is absent within the Study Area and nearby areas. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Reptiles				
Actinemys marmorata northwestern pond turtle	FPT/None G2/SNR SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying. Occurs in northern California, south along the Sierra Nevada Mountains and the Coast Range down to Monterey and Kern Counties.	Not Expected	Suitable aquatic habitat is absent within the Study Area and nearby areas. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Arizona elegans occidentalis California glossy snake	None/None G5T2/S2 SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	Not Expected	The Study Area consists of recently disked fallowed agricultural land and lacks loose, friable soils and native vegetation required by the species. The surrounding developed land also isolates the Study Area to more suitable habitat. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). Therefore, the California glossy snake is not expected to occur within the Study Area.
Gambelia sila blunt-nosed leopard lizard	FE/SE G1/S2 FP	Resident of sparsely vegetated alkali and desert scrub habitats, in areas of low topographic relief. Seeks cover in mammal burrows, under shrubs or structures such as fence posts; they do not excavate their own burrows.	Not Expected	Suitable scrub habitat is absent within the Study Area and nearby areas. Small mammal burrows were not observed within the Study Area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Birds				
Agelaius tricolor tricolored blackbird	None/ST G3/S2 SSC	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	Not Expected	Suitable open water and nesting habitat is absent within the Study Area and its surrounding areas. Occurrence of the species is likely limited to fly overs. There are two recorded occurrences within 5 miles of the Study Area in 1936 and 2015 (CDFW 2026a).
Athene cunicularia burrowing owl	None/SCE G4/S2 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Not Expected	No small mammal burrows or potential artificial burrows were observed within the Study Area during the reconnaissance survey. The recently disked fallowed agricultural land and surrounding developed land isolate the Study Area and likely reduce the species use of the area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). Therefore, the species is not expected to occur within the Study Area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur	Rationale
Buteo swainsoni Swainson's hawk	None/ST G5/S4	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Low potential	The southeastern corner of the Study Area contains ornamental trees potentially suitable for nesting. Trees were also observed along the adjacent residential area to the south which may also provide potential nesting opportunities. However, they areunlikely to provide suitable nesting habitat due to their proximity to urban development and human disturbance. The Study Area and adjacent ag parcels may provide suitable foraging habitat for transient individuals. While the Study Area may provide foraging opportunities, there is far better, and more expansive nesting and foraging habitat located outside of Hanford City limits. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). Therefore, there is low potential for nesting or foraging Swainson's hawk to occur within the Study Area.
Xanthocephalus xanthocephalus yellow-headed blackbird	None/None G5/S3 SSC	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds. Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	Not Expected	Suitable aquatic and riparian habitat is absent within the Study Area and nearby areas. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Mammals				
Dipodomys nitratoides exilis Fresno kangaroo rat	FE/SE G2TH/SH	Alkali sink-open grassland habitats in western Fresno County. Bare alkaline clay-based soils subject to seasonal inundation, with more friable soil mounds around shrubs and grasses.	Not Expected	Intact alkali sink-open grassland habitat is absent from the Study Area. Suitable clay soil and burrow habitat is also absent from the Study Area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Dipodomys nitratoides nitratoides Tipton kangaroo rat	FE/SE G2T1T2/S2	Found in saltbush scrub and sink scrub communities in the Tulare Lake Basin of the southern San Joaquin Valley. Needs soft friable soils for burrowing which do not experience seasonal flooding. Often digs burrows in elevated mounds, including the base of shrubs in densely vegetated areas.	Not Expected	Suitable scrub and burrowing habitat are absent within the Study Area. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Lasiurus cinereus *hoary bat*	None/None G3G4/S4 SSC	Typically roosts in trees in deciduous and coniferous forests and woodlands but occasionally roosts in rocks crevices. Forages in open areas, typically along riparian corridors or over water. Diet primarily consists of moths.	Moderate Potential	The southeastern corner of the Study Area and adjacent parcels contain ornamental trees that could provide suitable roosting habitat while the surrounding open areas may provide suitable foraging habitat. Although the Study Area lacks riparian habitat, there is moderate potential for the species to occur. There is one recorded occurrence of the species within 5 miles of the Study Area in 1991 (CDFW 2026a).
Sorex ornatus relictus Buena Vista Lake ornate shrew	FE/None G5T1/S1	Marshlands and riparian areas in the Tulare Basin. Prefers moist soil. Uses stumps, logs and litter for cover.	Not Expected	Suitable marshland and riparian habitat are absent within the Study Area and nearby areas. There are no recorded occurrences of the species within 5 miles of the Study Area (CDFW 2026a). The species is not expected to occur within the Study Area.
Vulpes macrotis mutica San Joaquin kit fox	FE/ST G4T2/S3	Annual grasslands or grassy open stages with scattered shrubby vegetation. Need loose-textured sandy soils for burrowing, and suitable prey base.	Not Expected	The Study Area consists of fallowed agricultural land that lacks the vegetative cover, prey availability, and burrows or dens required to support San Joaquin kit fox. The surrounding developed land also isolates the Study Area from more suitable habitat. While agricultural land to the west may provide some foraging potential, it is intensively managed and lacks connectivity to larger, contiguous natural areas. No dens, burrows, or sign of San Joaquin kit fox were observed during the reconnaissance survey. Therefore, San Joaquin kit fox is not expected to occur within the Study Area. There are four recorded occurrences of the species within 5 miles of the Study Area in 1971, 1975, 2000, and 2006 (CDFW 2026a).

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Status (Federal/State)

FE = Federal Endangered
FT = Federal Threatened
FPE = Federal Proposed Endangered
FPT = Federal Proposed Threatened
FC = Federal Candidate
SE = State Endangered
ST = State Threatened
SCE = State Candidate Endangered
SCT = State Candidate Threatened
SR = State Rare
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List

Other Statuses

G1 or S1	Critically Imperiled Globally or Subnationally (state)
G2 or S2	Imperiled Globally or Subnationally (state)
G3 or S3	Vulnerable to extirpation or extinction Globally or Subnationally (state)
G4/5 or S4/5	Apparently secure, common and abundant
GH or SH	Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

CRPR (CNPS California Rare Plant Rank)

1A = Presumed extirpated in California, and rare or extinct elsewhere
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CRPR Threat Code Extension

.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
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.3 = Not very endangered in California (<20% of occurrences threatened/low degree and immediacy of threat)

Additional notations may be provided as follows

T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)
Q – Questionable taxonomy that may reduce conservation priority

Attachment 3

Floral and Faunal Compendium

Plant Species Observed Within the Study Area on December 24, 2024

Scientific Name	Common Name	Status	Native or Introduced
Avena barbata	slender oat		Introduced
Brassicaceae spp.	mustard		Introduced
Erodium cicutarium	common stork's-bill		Introduced
Malva parviflora	cheeseweed		Introduced

Cal-IPC. The Cal-IPC Inventory. Accessed online at https://www.cal-ipc.org/plants/inventory/. February 2026.

California Native Plant Society. A Manual of California Vegetation Online. Accessed online at http://vegetation.cnps.org/. February 2026.

[1] Cal-IPC – Limited; these species are invasive with ecological amplitude and distribution being generally limited, but these species may be locally persistent and problematic.

[2] Cal-IPC – Moderate; these species have substantial and apparent-but generally not severe-ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are conducive to moderate to high rates of dispersal.

[3] Cal-IPC – High; These species have severe ecological impacts on physical processes, plant and animal communities, and vegetation structure. Their reproductive biology and other attributes are conducive to moderate to high rates of dispersal and establishment. Most are widely distributed ecologically.

Wildlife Species Observed Within the Study Area on December, 2024

Scientific Name	Common Name	Status	Native or Introduced
Birds			
Corvus brachyrhynchos	American crow		Native
Passer domesticus	house sparrow		Introduced
Streptopelia decaocto	Eurasian collared-dove		Introduced
Mammals			
Canis latrans	Coyote		Native

Attachment 4

Representative Site Photographs



Photograph 1. View of the Study Area from its eastern boundary along 12th Ave. Photograph direction – north.



Photograph 2. View of the Study Area from its eastern boundary along 12th Ave. Photograph direction – south.



Photograph 3. View of the Study Area from its northern boundary along HWY 198. Photograph direction – west.



Photograph 4. View of the Study Areas northern boundary with HWY 198 Photograph direction – northwest.



Photograph 5. View of the Study Area and evidence of recent disking. Photograph direction – south.



Photograph 6. View of the Study Area and evidence of recent disking throughout the entire 21-acre parcel. Photograph direction – southwest.



Photograph 7. View of the Study Area from its southeastern corner. Photograph direction – west.



Photograph 8. View of the Study Area from its southeastern corner. Photograph direction – south.



Photograph 9. View of an enclosed utility area located along the Study Areas northern border. Photograph direction – north.



Photograph 10. View of mature tree along Study Areas southern border. Photograph direction – northeast.

Attachment 5

Regulatory Background

Regulatory Background

The following is a brief summary of the regulatory context under which biological resources are managed at the federal, state, and local levels. A number of federal and state statutes provide a regulatory structure that guides the protection of biological resources. Agencies with the responsibility for protection of biological resources that were considered in review of this project include the following:

- United States Army Corps of Engineers (USACE; wetlands and other waters of the United States [WOTUS])
- United States Fish and Wildlife Service (USFWS; federally listed species and migratory birds)
- Central Valley Regional Water Quality Control Board (RWQCB; waters of the State)
- California Department Fish and Wildlife (CDFW; riparian areas, streambeds, and lakes; state-listed species; nesting birds, marine resources)
- City of Hanford

United States Army Corps of Engineers

The USACE is responsible for administering several federal programs related to ensuring the quality and navigability of the nation's waters.

Clean Water Act Section 404

Congress enacted the Clean Water Act (CWA) "to restore and maintain the chemical, physical, and biological integrity of the Nation's waters." The CWA establishes the basic structure for regulating discharges of pollutants into the WOTUS and regulating quality standards for surface waters. The basis of the CWA was enacted in 1948 and was called the Federal Water Pollution Control Act, but the law was significantly reorganized and expanded in 1972. The "Clean Water Act" became the law's common name with amendments in 1972.

Section 404 of the CWA establishes a program to regulate the discharge of dredged or fill material into WOTUS, including wetlands. Section 404 of the CWA authorizes the Secretary of the Army, acting through the USACE, to issue permits regulating the discharge of dredged or fill materials into the "navigable waters at specified disposal sites." Section 404 requires that a permit be issued before dredged or fill material may be discharged into WOTUS unless the activity is exempt from regulation under Section 404 (e.g., certain farming and forestry activities).

Waters of the United States

The USACE and United States Environmental Protection Agency (USEPA) have undertaken several efforts to modernize their regulations defining "waters of the United States" (e.g., the 2015 Clean Water Rule and 2020 Navigable Waters Protection Rule), but these efforts have been frustrated by legal challenges which have invalidated the updated regulations. As a result of the Supreme Court ruling in *Sackett v. Environmental Protection Agency*, the USEPA and USACE issued a final rule that amends the "Revised Definition of 'Waters of the United States'" to conform key aspects of the regulatory text to the United States Supreme Court's decision (88 Federal Register 61964–61969, September 8, 2023).

Under the "Revised Definition of 'Waters of the United States'; Conforming" rule, the term "waters of the United States" is defined as follows (33 Code of Federal Regulations [CFR] 328.3[a]):

(1) Waters which are:
   (i) Currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
   (ii) The territorial seas; or
   (iii) Interstate waters;

(2) Impoundments of waters otherwise defined as waters of the United States under this definition, other than impoundments of waters identified under paragraph (a)(5) of this section;

(3) Tributaries of waters identified in paragraph (a)(1) or (2) of this section that are relatively permanent, standing or continuously flowing bodies of water;

(4) Wetlands adjacent to the following waters:
   (i) Waters identified in paragraph (a)(1) of this section; or
   (ii) Relatively permanent, standing or continuously flowing bodies of water identified in paragraph (a)(2) or (a)(3) of this section and with a continuous surface connection to those waters;

(5) Intrastate lakes and ponds not identified in paragraphs (a)(1) through (4) of this section that are relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to the waters identified in paragraph (a)(1) or (a)(3) of this section.

In addition, the amended regulations include eight types of excluded waters (33 CFR 328.3[b]) which are not "waters of the United States" even where they otherwise meet the terms of paragraphs (a)(2) through (5) of this section:

(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act;

(2) Prior converted cropland designated by the Secretary of Agriculture. The exclusion would cease upon a change of use, which means that the area is no longer available for the production of agricultural commodities. Notwithstanding the determination of an area's status as prior converted cropland by any other Federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA;

(3) Ditches (including roadside ditches) excavated wholly in and draining only dry land and that do not carry a relatively permanent flow of water;

(4) Artificially irrigated areas that would revert to dry land if the irrigation ceased;

(5) Artificial lakes or ponds created by excavating or diking dry land to collect and retain water and which are used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing;

(6) Artificial reflecting or swimming pools or other small ornamental bodies of water created by excavating or diking dry land to retain water for primarily aesthetic reasons;

(7) Waterfilled depressions created in dry land incidental to construction activity and pits excavated in dry land for the purpose of obtaining fill, sand, or gravel unless and until the construction or excavation operation is abandoned and the resulting body of water meets the definition of waters of the United States; and

(8) Swales and erosional features (e.g., gullies, small washes) characterized by low volume, infrequent, or short duration flow.

The lateral limits of USACE jurisdiction in non-tidal waters is defined by the "ordinary high-water mark" (OHWM) unless adjacent wetlands are present. The OHWM is a line on the shore or edge of a channel established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed upon the bank, shelving, changes in the character of soil, destruction of vegetation, or the presence of debris (33 CFR 328.3[e]). As such, waters are recognized in the field by the presence of a defined watercourse with appropriate physical and topographic features. If wetlands occur within, or adjacent to, WOTUS, the lateral limits of USACE jurisdiction extend beyond the OHWM to the outer edge of the wetlands (33 CFR 328.4 [c]). The upstream limit of jurisdiction in the absence of adjacent wetlands is the point beyond which the OHWM is no longer perceptible (33 CFR 328.4; see also 51 Federal Register 41217).

Wetlands

The USACE defines *wetlands* as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 CFR 328.3). Indicators of three wetland parameters (hydric soils, hydrophytic vegetation, and wetlands hydrology), as determined by site investigation, must be present at a site for USACE to classify the site as a wetland (Environmental Laboratory 1987).

Regional Water Quality Control Boards

The State Water Resources Control Board (SWRCB) and nine RWQCBs have jurisdiction over "waters of the State," which are defined as any surface water or groundwater, including saline waters, within the boundaries of the state (California Water Code Section 13050[e]). These agencies also have responsibilities for administering portions of the CWA.

Clean Water Act Section 401

Section 401 of the CWA requires an applicant requesting a federal license or permit for an activity that may result in any discharge into navigable waters (such as a Section 404 Permit) to provide state certification that the proposed activity will not violate state and federal water quality standards. In California, CWA Section 401 Water Quality Certification (Section 401 Certification) is issued by the RWQCBs and by the SWRCB for multiregion projects. The process begins when an applicant submits an application to the RWQCB and informs the USACE (or the applicable agency from which a license or permit was requested) that an application has been submitted. The USACE will then determine a "reasonable period of time" for the RWQCB to act on the application; this time period is typically 60 days for routine projects and longer for complex projects but may not exceed one year. When the period has elapsed, if the RWQCB has not either issued or denied the application for Section 401 Certification, the USACE may determine that Certification has been waived and issue the requested permit. If a Section 401 Certification is issued it may include binding conditions, imposed either through the Certification itself or through the requested federal license or permit.

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (Porter-Cologne Act) is the principal law governing water quality regulation in California. It establishes a comprehensive program to protect water quality and the beneficial uses of water. The Porter-Cologne Act applies to surface waters, wetlands, and ground water and to both point and nonpoint sources of pollution. Pursuant to the Porter-Cologne Act (California Water Code Section 13000 et seq.), the policy of the State of California is as follows:

- The quality of all the waters of the State shall be protected.
- All activities and factors affecting the quality of water shall be regulated to attain the highest water quality within reason.
- The State must be prepared to exercise its full power and jurisdiction to protect the quality of water in the State from degradation.

The Porter-Cologne Act established nine RWQCBs (based on watershed boundaries) and the SWRCB, which are charged with implementing its provisions and which have primary responsibility for protecting water quality in California. The SWRCB provides program guidance and oversight, allocates funds, and reviews RWQCB decisions. In addition, the SWRCB allocates rights to the use of surface water. The RWQCBs have primary responsibility for individual permitting, inspection, and enforcement actions within each of nine hydrologic regions. The SWRCB and RWQCBs have numerous nonpoint source related responsibilities, including monitoring and assessment, planning, financial assistance, and management.

Section 13260 of the Porter-Cologne Act requires any person discharging or proposing to discharge waste that could affect the quality of waters of the State to file a Report of Waste Discharge with the appropriate RWQCB. The RWQCB may then authorize the discharge, subject to conditions, by issuing Waste Discharge Requirements. While this requirement was historically applied primarily to outfalls and similar point source discharges, the SWRCB's *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* (Procedures), effective May 2020, make it clear that the agency will apply the Porter-Cologne Act's requirements to discharges of dredge and fill material as well. The Procedures state that they are to be used in issuing CWA Section 401 Certifications and Waste Discharge Requirements, and largely mirror the existing review requirements for CWA Section 404 Permits and Section 401 Certifications, incorporating most elements of the USEPA's Section 404(b)(1) Guidelines. Following issuance of the Procedures, the SWRCB produced a consolidated application form for dredge/fill discharges that can be used to obtain a CWA Section 401 Water Quality Certification, Waste Discharge Requirements, or both.

Non-Wetland Waters of the State

The SWRCB and RWQCBs have not established regulations for field determinations of waters of the State except for wetlands currently. In many cases the RWQCBs interpret the limits of waters of the State to be bounded by the OHWM unless isolated conditions or ephemeral waters are present. However, in the absence of statewide guidance each RWQCB may interpret jurisdictional boundaries within their region and the SWRCB has encouraged applicants to confirm jurisdictional limits with their RWQCB before submitting applications. As determined by the RWQCB, waters of the State may include riparian areas or other locations outside the OHWM, leading to a larger jurisdictional area over a given water body compared to the USACE.

Wetland Waters of the State

The SWRCB's Procedures, including for defining wetland waters of the State, went into effect May 28, 2020. The SWRCB defines an "area as wetland" if it meets all three of the following criteria under normal circumstances:

(i) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both

(ii) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate

(iii) the area's vegetation is dominated by hydrophytes or the area lacks vegetation

The SWRCB's Implementation Guidance for the Wetland Definition and Procedures for Discharges of Dredge and Fill Material to Waters of the State (2020) states that waters of the United States and waters of the State should be delineated using the standard USACE delineation procedures, taking into consideration that the methods shall be modified only to allow for the fact that a lack of vegetation does not preclude an area from meeting the definition of a wetland.

United States Fish and Wildlife Service

The USFWS implements several laws protecting the nation's fish and wildlife resources, including the federal Endangered Species Act (ESA; 16 United States Code [USC] Sections 153 et seq.), Migratory Bird Treaty Act (MBTA; 16 USC Sections 703-711), and Bald and Golden Eagle Protection Act (16 USC Section 668).

Endangered Species Act

The USFWS and NMFS share responsibility for implementing the ESA. Generally, the USFWS implements the ESA for terrestrial and freshwater species, while the NMFS implements the ESA for marine and anadromous species. Projects that would result in take of any threatened or endangered wildlife species, or a threatened or endangered plant species if occurring on federal land, are required to obtain permits from the USFWS or NMFS through either Section 7 (interagency consultation with a federal nexus) or Section 10 (Habitat Conservation Plan) of the ESA, depending on the involvement by the federal government in funding, authorizing, or carrying out the project. The permitting process is used to determine if a project would jeopardize the continued existence of a listed species and what measures would be required to avoid jeopardizing the species. *Take* under federal definition means to harass, harm (which includes habitat modification), pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. Proposed or candidate species do not have the full protection of the ESA; however, the USFWS and NMFS advise project applicants that they could be elevated to listed status at any time.

Migratory Bird Treaty Act

The MBTA of 1918 implements four international conservation treaties that the United States entered into with Canada in 1916, Mexico in 1936, Japan in 1972, and Russia in 1976. It is intended to ensure the sustainability of populations of all protected migratory bird species. The law has been amended with the signing of each treaty, as well as when any of the treaties were amended, such as with Mexico in 1976 and Canada in 1995. The MBTA prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the USFWS.

The list of migratory bird species protected by the law, in regulations at 50 CFR Part 10.13, is primarily based on bird families and species included in the four international treaties. A migratory bird species is included on the list if it meets one or more of the following criteria:

1. It occurs in the United States or United States territories as the result of natural biological or ecological processes and is currently, or was previously listed as, a species or part of a family protected by one of the four international treaties or their amendments
2. Revised taxonomy results in it being newly split from a species that was previously on the list, and the new species occurs in the United States or United States territories as the result of natural biological or ecological processes
3. New evidence exists for its natural occurrence in the United States or United States territories resulting from natural distributional changes and the species occurs in a protected family

In 2004, the Migratory Bird Treaty Reform Act limited the scope of the MBTA by stating that the MBTA applies only to migratory bird species that are native to the United States or United States territories, and that a native migratory bird species is one that is present as a result of natural biological or ecological processes. The Migratory Bird Treaty Reform Act requires that the USFWS publish a list of all nonnative, human-introduced bird species to which the MBTA does not apply, and an updated list was published in 2020. The 2020 update identifies species belonging to biological families referred to in treaties the MBTA implements but are not protected because their presence in the United States or United States territories is solely the result of intentional or unintentional human-assisted introductions.

Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act prohibits anyone, without a permit issued by the USFWS, from taking bald or golden eagles, including their parts (including feathers), nests, or eggs. The Bald and Golden Eagle Protection Act provides criminal penalties for persons who "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle...[or any golden eagle], alive or dead, or any part, nest, or egg thereof." The Act defines *take* as "pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb."

Disturb means "to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior."

In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle's return, such alterations agitate or bother an eagle to a degree that interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment.

California Department of Fish and Wildlife

The CDFW derives its authority from the Fish and Game Code of California and administers several State laws protecting fish and wildlife resources and the habitats upon which they depend.

California Endangered Species Act

The California Endangered Species Act (CESA) (Fish and Game Code Section 2050 et seq.) prohibits take of state listed threatened or endangered. *Take* under CESA is defined as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill" (Fish and Game Code Section 86). This definition does not prohibit indirect harm by way of habitat modification, except where such harm is the proximate cause of death of a listed species. Where incidental take would occur during construction or other lawful activities, CESA allows the CDFW to issue an Incidental Take Permit upon finding, among other requirements, that impacts to the species have been minimized and fully mitigated. Unlike the federal ESA, CESA's protections extend to candidate species during the period (typically one year) while the California Fish and Game Commission decides whether the species warrants CESA listing.

Native Plant Protection Act

The CDFW also has authority to administer the Native Plant Protection Act (NPPA) (Fish and Game Code Section 1900 et seq.). The NPPA requires the CDFW to establish criteria for determining if a species, subspecies, or variety of native plant is endangered or rare, and prohibits the take of listed plant species. Effective in 2015, CDFW promulgated regulations (14 California Code of Regulations [CCR] 786.9) under the authority of the NPPA, establishing that the CESA's permitting procedures would be applied to plants

listed under the NPPA as "Rare." With this change, there is little practical difference for the regulated public between plants listed under CESA and those listed under the NPPA.

Fully Protected Species Laws

The CDFW enforces Sections 3511, 4700, 5050, and 5515 of the Fish and Game Code, which prohibit take of species designated as Fully Protected. The CDFW is not allowed to issue an Incidental Take Permit for Fully Protected species; therefore, impacts to these species must be avoided. The exception is situations where a Natural Community Conservation Plan is in place that authorizes take of the Fully Protected species.

Avian Protection Laws

California Fish and Game Code Sections 3503, 3503.5, and 3513 describe unlawful take, possession, or destruction of native birds, nests, and eggs. Section 3503.5 of the Code protects all birds-of-prey and their eggs and nests against take, possession, or destruction of nests or eggs. Section 3513 makes it a State-level offense to take any bird in violation of the federal MBTA.

Protection of Lakes and Streambeds

California Fish and Game Code Section 1602 states that it is unlawful for any person to "substantially divert or obstruct the natural flow of, or substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake" without first notifying the CDFW of that activity. Thereafter, if CDFW determines and informs the entity that the activity will not substantially adversely affect any existing fish or wildlife resources, the entity may commence the activity. If, however, California Department of Fish and Game determines that the activity may substantially adversely affect an existing fish or wildlife resource, the entity may be required to obtain from CDFW a Lake and Streambed Alteration Agreement (LSAA), which will include reasonable measures necessary to protect the affected resource(s), before the entity may conduct the activity described in the notification. Upon receiving a complete Notification of LSAA, the CDFW has 60 days to present the entity with a Draft LSAA. Upon review of the Draft LSAA by the applicant, any problematic terms are negotiated with CDFW and a final LSAA is executed.

The CDFW has not defined the term *stream* for the purposes of implementing its regulatory program under Section 1602, and the agency has not promulgated regulations directing how jurisdictional streambeds may be identified, or how their limits should be delineated. However, four relevant sources of information offer insight as to the appropriate limits of CDFW jurisdiction as discussed below.

The plain language of Section 1602 of California Fish and Game Code establishes the following general concepts:

- References "river," "stream," and "lake"
- References "natural flow"
- References "bed," "bank," and "channel"

Applicable court decisions, in particular *Rutherford v. State of California* (188 Cal App. 3d 1276 (1987), which interpreted Section 1602's use of "stream" to be as defined in common law. The Court indicated that a "stream" is commonly understood to:

- Have a source and a terminus
- Have banks and a channel
- Convey flow at least periodically, but need not flow continuously and may at times appear outwardly dry

- Represent the depression between the banks worn by the regular and usual flow of the water
- Include the area between the opposing banks measured from the foot of the banks from the top of the water at its ordinary stage, including intervening sand bars
- Include the land that is covered by the water in its ordinary low stage
- Include lands below the OHWM

CDFW regulations defining "stream" for other purposes, including sport fishing (14 CCR 1.72) and streambed alterations associated with cannabis production (14 CCR 722[c][21]), which indicate that a stream:

- Flows at least periodically or intermittently
- Flows through a bed or channel having banks
- Supports fish or aquatic life
- Can be dry for a period of time
- Includes watercourses where surface or subsurface flow supports or has supported riparian vegetation

Guidance documents, including A Field Guide to Lake and Streambed Alteration Agreements (California Department of Fish and Game 1994) and Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants (Brady and Vyverberg 2013), which suggest the following:

- A stream may flow perennially or episodically
- A stream is defined by the course in which water currently flows, or has flowed during the historic hydrologic course regime (approximately the last 200 years)
- Width of a stream course can reasonably be identified by physical or biological indicators
- A stream may have one or more channels (single thread versus compound form)
- Features such as braided channels, low-flow channels, active channels, banks associated with secondary channels, floodplains, islands, and stream-associated vegetation, are interconnected parts of the watercourse
- Canals, aqueducts, irrigation ditches, and other means of water conveyance can be considered streams if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife
- Biologic components of a stream may include aquatic and riparian vegetation, all aquatic wildlife including fish, amphibians, reptiles, invertebrates, and terrestrial species which derive benefits from the stream system
- The lateral extent of a stream can be measured in different ways depending on the particular situation and the type of fish or wildlife resource at risk

The tenets listed above, among others, are applied to establish the boundaries of streambeds in various environments. Importance of each factor may be weighted based on site-specific considerations and the applicability of the indicators to the streambed at hand.

Local Jurisdiction

City of Hanford 2035 General Plan

The project site is located within the City of Hanford and is subject to the City's land use authority and local policies that implement protection of biological resources through discretionary approvals and

CEQA review. The City's 2035 General Plan Policy Document includes biological resource goals and policies within the Open Space, Conservation & Recreation element. These include Goal O4 (Protection of natural habitat and other biological resources) and policies addressing preservation of natural open space, protection of wetlands/riparian corridors and vernal pools (where present), evaluation of biological impacts during project review, and management of invasive species and trees.

- **Policy O31 (Provision of Open Space Areas):** Preserve and enhance natural open space areas.
- **Policy O32 (Wetland and Riparian Corridors):** Where appropriate and feasible, establish permanent mechanisms to protect wetlands and riparian corridors.
- **Policy O33 (Vernal Pools):** Identify and protect vernal pools that may be located in the Planning Area.
- **Policy O35 (Impacts from Development):** Ensure potential impacts to biological resources and sensitive habitat are carefully evaluated when considering development projects.
- **Policy O36 (Nonnative Invasive Species):** Manage or eliminate nonnative invasive species from City-owned property and open space.
- **Policy O37 (Mature Trees):** Promote the preservation of existing mature trees and encourage the planting of appropriate shade trees in new developments.
- **Policy O38 (Native Tree Species and Drought Tolerant Vegetation)**: Encourage the planting of native tree species and drought-tolerant vegetation.
- **Policy O39 (Endangered Wildlife and Habitat)**: Establish programs in connection with environmental review processes to protect endangered wildlife and their habitats.
- **Policy O40 (Sensitive Wildlife)**: Work with state, federal, and local agencies on the preservation of sensitive wildlife species in the City.

In addition to General Plan policy, the City's Municipal Code includes regulations protecting street trees and heritage trees (Title 12.12, "Street Trees and Shrubs"). The code requires disclosure of heritage trees during discretionary development review and may require preparation of a tree protection plan by a certified arborist for construction work within a specified radius of a designated protected/heritage tree, with fencing and construction restrictions to protect the tree's critical root zone. The code also includes tree removal permitting and replacement/reforestation requirements (including replacement ratios and/or in-lieu payment where replanting is not feasible).

APPENDIX D

CULTURAL RESOURCES STUDY

Cultural Resources Assessment
for the
Maverik Hanford Project,
City of Hanford, Kings County, California

January 13, 2026

Prepared By:

Jessica Mauck, MA, RPA

Cultural Resources Management

Kimley-Horn and Associates, Inc.

3801 University Ave, Suite 300

Riverside, CA 92501

Kimley»Horn

EXECUTIVE SUMMARY

Kimley-Horn and Associates, Inc. (Kimley-Horn) is under contract to complete a Cultural Resources Assessment for the proposed Maverik Hanford Project (Project) in the City of Hanford (City), Kings County, California. The proposed Project involves the subdivision of a 21.4-acre parcel into two parcels, including a 15.3-acre parcel that would remain undeveloped and a 6.1-acre parcel that would be developed with a convenience store and fueling station. The project is subject to environmental review and consideration pursuant to the California Environmental Quality Act (CEQA) with the City of Hanford acting as the Lead Agency. This report is intended to support the City's review and consideration of the Project and potential impacts it may have on the environment specifically as it relates to cultural resources.

Kimley-Horn staff requested a Sacred Lands File search through the Native American Heritage Commission, which came back negative. Kimley-Horn staff additionally requested a cultural resources records search through the Southern San Joaquin Valley Information Center for the Project area and 0.5-mile buffer. The results noted that two (2) cultural resources studies have been conducted that partially include the Project area. Both studies were conducted in support of the Highway 198 interchange development and, as such, focused on the right-of-way that intersects with the Project area along its northern and eastern edges. In addition, a total of nine (9) cultural resources studies have taken place within 0.5 miles of the Project area, resulting in the identification of two (2) cultural resources: P-16-000068 (historic ditch) and P-16-000122 (Southern Pacific Railroad). No prehistoric cultural resources were identified within the 0.5-mile record search buffer, and no prehistoric or historic cultural resources were identified within the Project area as a result of the records search. Staff also conducted a review the National Register of Historic Places, California Register of Historical Resources, National Historic Landmarks list, the Built Environment Resource Directory, and historic aerials. Though no listed resources were identified within the Project area, the review of historic aerials noted a single-family residence within the Project area that was initially erected on site prior to 1957. Finally, Kimley-Horn staff conducted a cultural resources survey of the Project area, which resulted in the identification and recordation of the historic-aged single-family residence. No other resources were identified as a result of this study.

Kimley-Horn evaluated the newly recorded cultural resource, KHA-HMA-2024-01, and recommended the resource as not eligible for listing in the California Register of Historical Resources (CRHR). As such, no known "historical resources" or "unique archaeological resources", as defined by CEQA, were identified within the Project area. It is recommended that mitigation measures or conditions of approval be included that outline the process for treatment of any cultural resources or human remains inadvertently discovered during Project implementation. With these mitigation measures in place, impacts to cultural resources as a result of the proposed Project would be less than significant.

TABLE OF CONTENTS

EXECUTIVE SUMMARY ii
INTRODUCTION 1
PROJECT DESCRIPTION 1
REGULATORY SETTING 1
ENVIRONMENTAL SETTING 8
PREHISTORIC AND HISTORIC SETTING 9
METHODS 11
RESULTS 11
RECOMMENDATIONS 19
REFERENCES 21

FIGURES

Figure 1: Project Vicinity Map

Figure 2: Project Area Map

Figure 3: Record Search Map

Figure 4: Historic Aerial Image of Project Area (1957)

Figure 5: Historic Aerial Image of Project Area (1984)

Figure 6: Historic Aerial Image of Project Area (2022)

Figure 7: Project Area Overview

Figure 8: Example of Disturbed Soils in Project Area

Figure 9: Façade of KHA-HMA-2024-01

Figure 10: Deterioration/Collapse on Southern Exterior Wall

Tables

Table 1: Cultural Sequence in Central California

Table 2: Previous Cultural Studies in the Project Area

APPENDICES

Appendix A: Record Search Results

Appendix B: Sacred Lands File Search Results

Appendix C: CA DPR 523 Forms

Appendix D: Preparer's Qualifications

INTRODUCTION

Kimley-Horn and Associates, Inc. (Kimley-Horn) is under contract to complete a Cultural Resources Assessment for the proposed Maverik Hanford Project (Project) in the City of Hanford (City), Kings County, California. The project is subject to environmental review and consideration pursuant to the California Environmental Quality Act (CEQA) with the City of Hanford acting as the Lead Agency. This report is intended to support the City's review and consideration of the Project and potential impacts it may have on the environment specifically as it relates to cultural resources. Efforts conducted for this assessment include a pedestrian survey of the Project area, cultural resources records search, Sacred Lands File search, literature review, review of cultural databases and repositories, and review of historic maps and imagery. This report presents the results of those efforts, as well as recommended mitigation measures for the Project.

PROJECT DESCRIPTION

The Project area is located at the southwest corner of 12th Avenue and Highway 198 in Hanford, Kings County, California (Figure 1). The Project area consists of approximately 21.4 acres of mostly undeveloped, but highly disturbed, land and a single-family residence in the southeastern corner of the parcel (Figure 2). The proposed Project involves the subdivision of a 21.4-acre parcel into two parcels, including a 15.3-acre parcel that would remain undeveloped and a 6.1-acre parcel that would be developed with a convenience store and fueling station. The store is approximately 5,982 square feet with eight (8) fuel dispensers and canopy in front of the store and five (5) additional dispensers and canopy for commercial fueling at the back of the store, for a total of 13 fueling positions on site. The development will provide fueling, packaged beer and wine sales, as well as fresh food items.

REGULATORY SETTING

California Environmental Quality Act

The California Environmental Quality Act (CEQA) applies to all discretionary projects undertaken or subject to approval by the state's public agencies (California Code of Regulations 14(3), § 15002(i)). Under CEQA, "A project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (Cal. Code Regs. Tit. 14(3), § 15064.5(b)). Guidelines for Implementation of the California Environmental Quality Act (State CEQA Guidelines) section 15064.5(a) defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register)
- Listed in a local register of historical resources (as defined at Cal. Public Res. Code § 5020.1(k))
- Identified as significant in a historical resource survey meeting the requirements of § 5024.1(g) of the Cal. Public Res. Code
- Determined to be a historical resource by a project's lead agency (Cal. Code Regs. Tit. 14(3), § 15064.5(a))

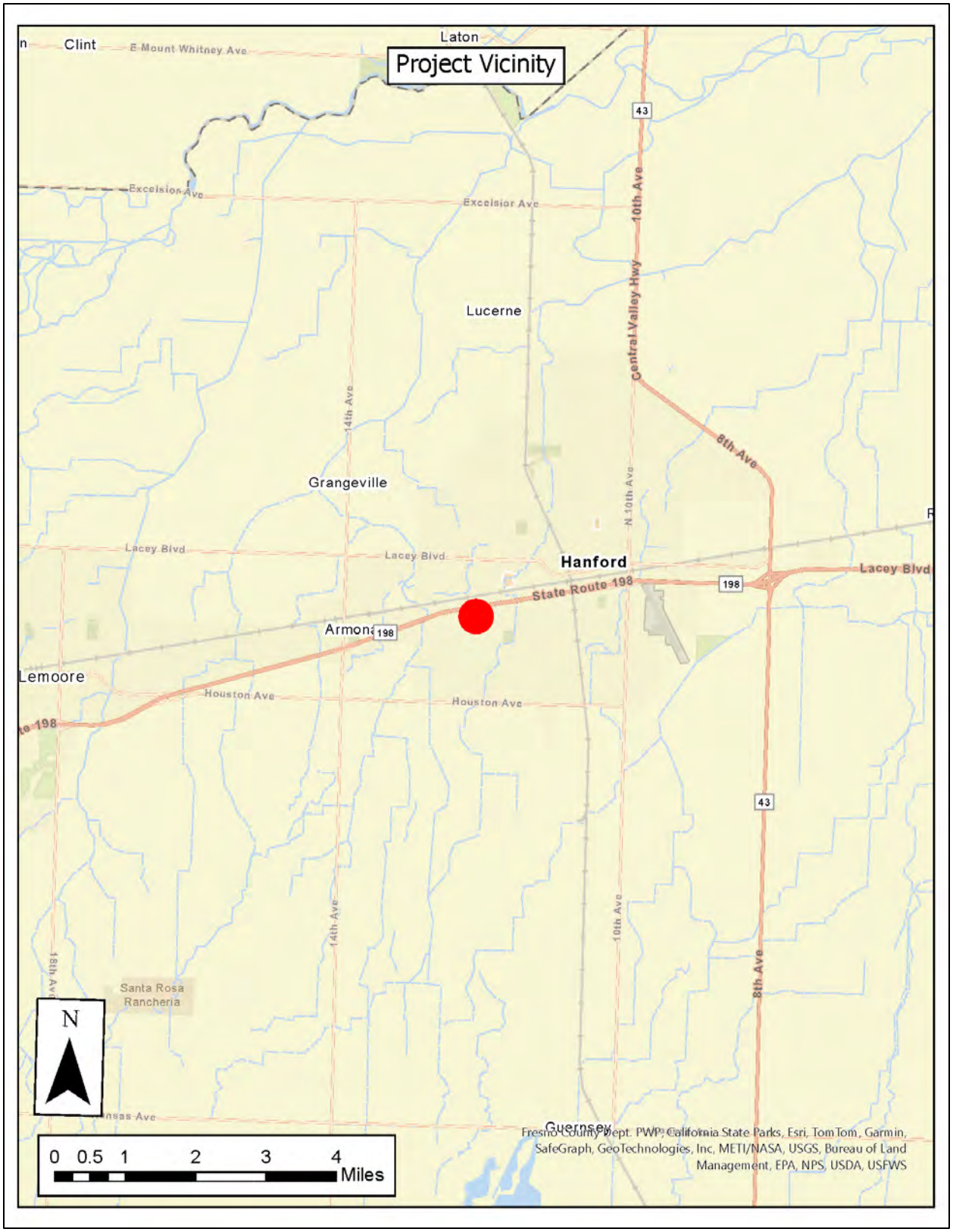


Figure 1: Project Vicinity Map



Figure 2: Project Area Map

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California… Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (Cal. Code Regs. Tit. 14(3), § 15064.5(a)(3)). The significance of a historical resource is impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register. If an impact on a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (State CEQA Guidelines § 15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource. Section 5024.1 of the Cal. Public Res. Code established the California Register. Generally, a resource is considered by the lead agency to be "historically significant" if the resource meets the criteria for listing in the California Register (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)).

Finally, CEQA requires that significant effects on unique archaeological resources be considered and addressed. CEQA defines a unique archaeological resource as any archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information.
- Has a special and particular quality such as being the oldest of its type or the best available example of its type.
- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

CEQA Guidelines Section 15064.5 Appendix G includes significance criteria relative to archaeological and historical resources. These have been utilized as thresholds of significance here, and a project would have a significant environmental impact if it would:

- Cause a substantial adverse change in the significance of a historical resource as defined in section 10564.5;
- Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 10564.5;
- Disturb any human remains, include those interred outside of formal cemeteries.

California Public Resources Code

California Public Resources Code (PRC) § 5024.1 establishes the California Register of Historical Resources (CRHR). The register lists all California properties considered to be significant historical resources. The CRHR also includes all properties listed or determined eligible for listing in the NRHP, including properties evaluated and determined eligible under § 106.

California Public Resources Code (PRC) § 5020 to 5029.5 continued the former Historical Landmarks Advisory Committee as the State Historical Resources Commission. The commission oversees the administration of the California Register of Historical Resources and is responsible for designating State Historical Landmarks and Historical Points of Interest.

California Public Resources Code (PRC) § 5079 to 5079.65 define the functions and duties of the Office of Historic Preservation, which administers federal- and state-mandated historic preservation programs in California as well as the California Heritage Fund.

California Public Resources Code (PRC) § 5097.9 to 5097.991 provide protection to Native American historical and cultural resources and sacred sites; identify the powers and duties of the Native American Heritage Commission (NAHC); require that descendants be notified when Native American human remains are discovered; and provide for treatment and disposition of human remains and associated grave goods.

California Health and Safety Code

California Health and Safety Code § 7050.5-7055 govern the process for reporting inadvertent discoveries of human remains to the County Coroner; the process for the County Coroner to report human remains of Native American descent to the Native American Heritage Commission (NAHC); and the protections offered against removal or desecration of human remains.

California Code of Regulations

The California Code of Regulations govern the nomination of resources to the California Register of Historical Resources (CRHR) (14 California Code of Regulations [CCR] § 4850). The regulations set forth the criteria for eligibility as well as guidelines for assessing historical integrity and resources that have special considerations.

California Register of Historical Resources (CRHR)

The State Historical Resources Commission has designed this program for use by state and local agencies, private groups, and citizens to identify, evaluate, register, and protect California's historical resources. The California Register of Historic Resources (CRHR) is the authoritative guide to the state's significant historical and archeological resources.

The California Register of Historic Resources (CRHR) program encourages public recognition and protection of resources of architectural, historical, archeological, and cultural significance; identifies historical resources for state and local planning purposes; determines eligibility for state historic preservation grant funding; and affords certain protections under the California Environmental Quality Act (CEQA). To be eligible for listing in the CRHR, a resource must meet at least one of the following criteria:

- Is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
- Is associated with the lives of persons important to local, California, or national history.

- Embodies the distinctive characteristics of a type, period, region, or method of construction; represents the work of a master; or possesses high artistic values.
- Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.

In addition to having significance, resources must have integrity for the period of significance. The period of significance is the date or span of time within which significant events transpired or significant individuals made their important contributions. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance. Alterations to a resource or changes in its use over time may change its historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. A resource that has lost its historic character or appearance may still have sufficient integrity for the CRHR if, under Criterion 4, it maintains the potential to yield significant scientific or historical information or specific data.

Isolated finds, such as a single artifact with no other associated cultural materials, are generally considered to be ineligible for listing in the CRHR. However, the nature of the isolated resource and any available ethnographic data regarding affiliated Native American populations should be carefully considered during the evaluation process, particularly as it relates to potential eligibility under Criterion 4.

California Historical Landmarks

California Historical Landmarks are buildings, structures, sites, or places that have been determined to have statewide historical significance. The resource must be approved for designation by the County Board of Supervisors or the City/Town Council in whose jurisdiction it is located; be recommended by the State Historical Resources Commission; and be officially designated by the Director of California State Parks. A resource must meet at least one of these following criteria:

- Be the first, last, only, or most significant of its type in the state or within a large geographic region (Northern, Central, or Southern California).
- Be associated with an individual or group having a profound influence on the history of California.
- Be a prototype of, or an outstanding example of, a period, style, architectural movement or construction or is one of the more notable works or the best surviving work in a region of a pioneer architect, designer, or master builder.

California Points of Historical Interest

California Points of Historical Interest are sites, buildings, features, or events that are of local (city or county) significance and have anthropological, cultural, military, political, architectural, economic, scientific or technical, religious, experimental, or other value. Points of Historical Interest designated after December 1997 and recommended by the State Historical Resources Commission are also listed in the CRHR. No historical resource may be designated as both a landmark and a point. If a point is subsequently

granted status as a landmark, the point designation is retired. To be eligible for designation as a Point of Historical Interest, a resource must meet at least one of the following criteria:

- Be the first, last, only, or most significant of its type within the local geographic region (city or county).
- Be associated with an individual or group having a profound influence on the history of the local area.
- Be a prototype of, or an outstanding example of, a period, style, architectural movement or construction or be one of the more notable works or the best surviving work in the local region of a pioneer architect, designer or master builder.

California Historic Building Code

The California Historic Building Code—California Code of Regulations, Title 24, Part 8—provides regulations for the preservation, restoration, rehabilitation, relocation, or reconstruction of buildings or properties designated as qualified historical buildings or properties. The California Historic Building Code is intended to provide solutions for the preservation of qualified historical buildings or properties, to promote sustainability, to provide access for persons with disabilities, to provide a cost-effective approach to preservation, and to provide for the reasonable safety of the occupants or users.

Kings County

The Conservation Element of the 2035 Kings County General Plan includes goals and policies related to the protection and preservation of cultural resources (Kings County 2010).

Goals:

- RC Goal 1: Preserve significant historical and archaeological sites and structures that represent the ethnic, cultural, and economic groups that have lived and worked in Kings County.

Policies:

- RC Policy 1.1.1: List historic sites and structures designated, or proposed for designation, as County landmarks in specific or area plans or local area development guidelines.
- RC Policy 1.1.2: Direct proposed developments that may affect proposed or designated historic sites or County landmarks to the Kings County Museum Advisory Committee or other similarly purposed advisory body under the Kings County Parks and Recreation Advisory Commission for review and comment.
- RC Policy 1.1.3: Encourage the protection of cultural and archaeological sites with potential for placement on the National Register of Historic Places and/or inclusion in the California Inventory of Historic Resources.
- RC Policy 1.1.4: Refer applications that involve the removal, destruction, or alteration of proposed or designated historic sites or County landmarks to the Kings County Museum Advisory Committee or its successor for recommended mitigation measures.
- RC Policy 1.2.1: Participate in and support efforts to identify significant cultural and archaeological resources and protect those resources in accordance to Public Resources Code 5097.9 and 5097.993.

- RC Policy 1.2.2: Continue to solicit input from local Native American communities in cases where development may result in disturbance to sites containing evidence of Native American Activity and/or to sites of cultural importance.
- RC Policy 1.2.3: Address archaeological and cultural resources in accordance with the California Environmental Quality Act (CEQA) for discretionary land use applications.
- RC Policy 1.2.4: The County will respectfully comply with Government Code §65352.3 (SB18) by conducting formal consultations with tribes as identified by the Native American Heritage Commission on all general plan and specific plan amendments.
- RC Policy 1.2.5: The County will respectfully comply with Government Code §6254.(r) and 6254.10 by protecting confidential information concerning Native American cultural resources. For example adopting internal procedures such as keeping confidential archaeological reports away from public view or discussion in public meetings.
- RC Policy 1.2.6: The County shall work in good faith with the Santa Rosa Rancheria Tachi Yokut Tribe ("Tribe"), the developer and other parties if the Tribe requests return of certain Native American artifacts from private development projects (e.g. for interpretive or educational value). The developer is expected to act in good faith when considering the Tribe's request for artifacts. Artifacts not desired by the Tribe shall be placed in a qualified repository as established by the California State Historical Resources Commission (see Guidelines for the Curation of Archaeological Collections, May 1993). If no facility is available, then all artifacts shall be donated to the Tribe.
- RC Policy 1.2.7: The County shall work with the developer of any "gated community" (i.e. not open to the public), to ensure that Native Americans are allowed future access, under reasonable conditions, to view/visit known sites within the "gated community." If a village site is identified within a gated community project, the developer shall be conditioned to allow future access by Native Americans to view/visit that village site.

City of Hanford

The City of Hanford does not maintain an extensive list of cultural and/or historical ordinances, nor has a large-scale Historic Context Statement been prepared by the City that identifies periods, areas, and resource types of potential local significance. However, the City's 2035 General Plan Policy Document prepared in 2017 highlights the cultural and historic significance of the City's downtown area. Notable historic resources within the City's downtown include the Hanford Carnegie Library, the Kings County Courthouse, the Taoist Temple, and China Alley.

ENVIRONMENTAL SETTING

The Project area is situated in the San Joaquin Valley, which is well-known for its rich, fertile soil that has made the region's a major hub of agricultural industry. The Project area is flat with 0-2% slope, and the elevation is 242 feet above mean sea level. Subsurface soil composition consists of Nord complex fine loamy sand and, at deeper levels, stratified sandy loam to loam (Web Soil Survey 2024). The Project area is mapped as an alluvial fan that maintains Pleistocene aged lake deposits. As many water sources were channelized during the historic era, the Project area does not maintain any active marsh-like environment,

and is located between the Last Chance Ditch and the New Deal Canal (Oliver and Robbins 1978; U.S. Geological Survey). The Project area is surrounded by vacant land to the west, a highway with car dealerships and hotels to the north and northeast, vacant land and a tractor supply to the east, and a care center to the south. The immediate area shows signs of recent development and redevelopment. The Project area is vacant, with the exception of a single-family residence on the southeastern corner facing 12th Avenue, with contains little vegetation.

PREHISTORIC AND HISTORIC SETTING

Ethnographic Setting

The Project area is within the ancestral territory of the Southern Valley Yokuts, a branch of the broader Yokuts people whose territory expanded a broad range in California's Central Valley (Kroeber 1925). Specifically, the numerous Yokut communities were divided into sub-regions and are now referenced as the Foothill Yokuts, Northern Valley Yokuts, and Southern Valley Yokuts. Southern Valley Yokuts occupied Buena Vista, Kern, and Tulare Lakes and adjacent valley areas, as well as lower Kaweah, Kern, Kings, and Tule rivers. The area of Hanford is associated with two ethnographic Yokut villages: *Gaiwashue* to the south and *Telweyit* (Summit Lake) to the west. Their territory maintained an abundance of water sources across various valley areas that contributed to their diverse diet of both land and water-based animals (i.e. fish, mussels, elk, deer, etc.). Due to their resource-rich environment, population sizes of Yokuts were large, with the local communities estimated to between 15,000 and 30,000 people prior to European contact (Wallace 1978). Yokuts hunted, fished, and gathered a variety of plant and animal resources for their subsistence, including deer, rabbit, squirrel, seeds, roots, trout, and shellfish, to name a few. The Yokuts were skilled basket weavers and used the baskets for cooking, gathering, and storage. Villages were established near permanent water sources and included oval-shaped dwellings that were covered with tule mats (Arkush 1993). Records show that the long history of European colonization and harmful displacement of Native Americans initially began in 1540 as a result of Hernando de Alarcon visiting the area during exploration, which was quickly followed by an expedition led by Juan Rodríguez Cabrillo to explore the California coast from 1542 to 1543. However, active colonization of the region by Spain did not begin until over 200 years later upon the arrival of Junipero Serra in 1769 (Garfinkel et al. 2019).

Prehistoric Setting

The archaeological record indicates that human occupation in central California extends to at least 5,000-7,000 years. The cultural sequence for the Central Valley was defined as the Central California Taxonomic System (CCTS). The classification scheme consists of three horizons (Early, Middle, and Late Horizon) and is still commonly used amongst archaeologists. Table 1 outlines the three horizons and is adapted from Moratto (1984).

Table 1: Cultural Sequence in Central California

Time	Sequence	Description
3000-500 B.C.	Early Horizon	Ancient lakes dry up as a result of climatic changes; milling stones found in abundance; plant food emphasis; use of the atlatl; little hunting; most artifacts manufactured from local materials
500 B.C.-900 A.D.	Middle Horizon	Diversification of economy; sedentism begins to develop, accompanied by population growth and expansion; emphasis on hunting; mortars and pestles are common; shell beads gain importance; increase in sociopolitical complexity; sites frequently contain ash and charcoal, FAR, and fish, bird and mammal and faunal remains
900-1800 A.D.	Late Horizon	Common site type; sites often contain rich, greasy midden with bone and FAR; use of the bow-and arrow; dietary emphasis on acorn and seed gathering; regularized exchange and clam disk bead money economy; well-established territories

Historic Setting

The Contact/Historic-era of California is generally divided into three periods: the Spanish or Mission Period (1769-1821), the Mexican or Rancho Period (1821-1848), and the American Period (1848 to present). Pedro Fages explored the San Joaquin Valley and encountered the Yokuts in 1772. The establishment of the mission system caused the displacement and disruption of many Native American communities across California due to forced labor and introduction of European diseases. In 1821, Mexico overthrew Spanish rule, and the Missions began to decline. By 1833, the Mexican government passed the Secularization Act and the Missions, reorganized as parish churches, lost their vast land holdings. Land throughout present-day California was organized into Mexican land grants, and these large pastoral estates conducted cattle ranching during the Mexican or Rancho Period (Bacich 2017).

The Treaty of Guadalupe Hidalgo in 1848 ended the Mexican-American War and the Mexican Rancho Period, triggering the start of the American Period (Del Castillo 1992). The southern San Joaquin Valley had remained largely uninhabited by non-Native populations until the start of the American Period, when the abundance of local resources brought an influx of farmers, settlers, traders, miners, and explorers. The Euro-American population greatly increased in California as a result of the Gold Rush. At this time, local Yokut communities began to see harsh impacts due to the introduction of new diseases and removal from their ancestral lands. After California achieved statehood in the U.S. in 1850, settlers began taking action to drain local stagnant bodies of water due to fear of disease, which only served to increase the settler population further. By the 1870s, the local region relied heavily on agriculture as the base of its economy and saw success with producing various nuts, citrus fruits, wheat, corn, rice, gourd vegetables, and cotton. By 1873, the Tule River Indian Reservation was established in the nearby Sierra Nevada Mountains, and very few Native Americans remained in the valley (Garfinkel et al. 2019).

The area of what would become Hanford saw its beginnings in 1877 with the establishment of the Southern Pacific Railway from Goshen to Coalinga and the presence of a Chinese shepherd's camp along its path. This camp was later established as a settlement named after the auditor of the railroad, James Madison Hanford, which quickly become a hub for trade and commerce in the region. While a townsite complete with a downtown area was established by 1887, the business district was destroyed by a fire. Though the idea of incorporation was initially avoided due to concerns about taxes, another devastating fire in 1891 that again destroyed Hanford's downtown led to recognition that the town required incorporation to ensure they had sufficient fire protection in the future (City of Hanford History). As such, the City of Hanford was incorporated in August of 1891, and became the seat of Kings County after its establishment in 1893. Following its earned Cityhood, Hanford established schools, churches, an opera house, and a civic center for the local community. The City continued to grow at a steady pace and to rely on agriculture as its main economy through the early 20th century (City of Hanford History).

METHODS

All efforts made for the completion of this report were completed pursuant to requirements set forth in the CEQA. This study is intended to identify whether cultural resources are located within the Project area, whether any cultural resources are potentially significant pursuant to the above-referenced regulations and standards, and to develop specific recommendations that will address potential impacts to existing or potential resources. Tasks completed include:

- A cultural resources records search through the Southern San Joaquin Valley Information Center (SSJVIC) to identify any studies conducted and/or cultural resources recorded within or adjacent to the Project area,
- A Sacred Lands File (SLF) search through the Native American Heritage Commission (NAHC),
- A pedestrian survey of the of the Project area and recordation of identified cultural resources,
- A review of cultural resource databases and historical maps, and
- Development of recommendations and/or mitigation measures for cultural resources identified or potentially unrecorded within the Project area.

RESULTS

Cultural Resources Record Search

Kimley-Horn archaeologists requested a cultural resources record search through the SSJVIC for the Project area and 0.5-mile buffer, the results for which were received on September 30, 2024 (Figure 3). The results noted that two (2) cultural resources studies from 1981 and 2007 have been conducted that partially include the Project area (Table 2). No cultural resources were identified in the Project area during the previous surveys. Both studies were conducted in support of the Highway 198 interchange development and, as such, focused on the right-of-way that intersects with the Project area along its northern and eastern edges. Therefore, most of the Project area has not been previously surveyed.

In addition, a total of nine (9) cultural resources studies have taken place within 0.5 miles of the Project area, resulting in the identification of two (2) cultural resources: P-16-000068 (historic ditch) and P-16-000122 (Southern Pacific Railroad). P-16-00068 was recorded as a historic-period earthen ditch with a

light scatter of debris, including concrete and brick fragments, glass shards, whiteware, pipe fragments, and porcelain. P-16-000122 is the San Joaquin Valley Railroad, which was constructed in the 1870s and operated as a branch of the Southern Pacific Railroad. The resources in the buffer will not be impacted by the Project. No prehistoric cultural resources were identified within the 0.5-mile record search buffer, and no prehistoric or historic cultural resources were identified within the Project area as a result of the records search (Appendix A).

Table 2: Previous Cultural Studies in the Project Area

Report No.	Author	Year	Title
KI-00042	O'Connor, Denise and Clayton, A.B.	1981	Archaeological Survey Report for an Interchange at 12th Avenue on Route 198, Kings County 06-KIN-198, R16.4/R17.4 06100-178200
KI-00192	Lanner, David and Wohlgemuth, Eric	2007	Archaeological Survey Report for the 12th Avenue Interchange on State Route 198, Hanford, Kings County, California

Additional Research

Staff conducted a review of the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), National Historic Landmarks list (NHL), and Built Environment Resource Directory (BERD), though no cultural resources identified in the Project area during the review of these databases. Staff additionally reviewed historic topographic maps and imagery of the Project area to identify its land use history to ascertain a) prior disturbances and their impact to the Project area's archaeological sensitivity, and b) if any built environment resources located within the Project area are historic in age and what physical changes have occurred to the historic built environment over time. The earliest historic aerial images of the Project area date to 1957 and show an agricultural field with a small structure in the southeast coroner (Figure 4). The Project's greater vicinity also consisted of agricultural land with sparse, rural residences. By 1984, the structure in the Project area is slightly larger in size. The nearby area had been developed with Highway 189 and dirt roads trending north-south that would ultimately become 12th Avenue (Figure 5). Several residential neighborhoods had been constructed in the vicinity by the 1980s. The rear of the structure shows some development in the late 1980s and early 1990s, such as shed and some other staging areas for farming equipment, though much of this appears to be gone by the early 2000s. In general, imagery showcases few changes to the Project area between 1984 and the present day (Figure 6; Historic Aerials 2024). In summary, one historic-period structure was identified in the southeast corner of the Project area during the historical research. There were no historical landscape-level features associated with the Project area identified in the vicinity.

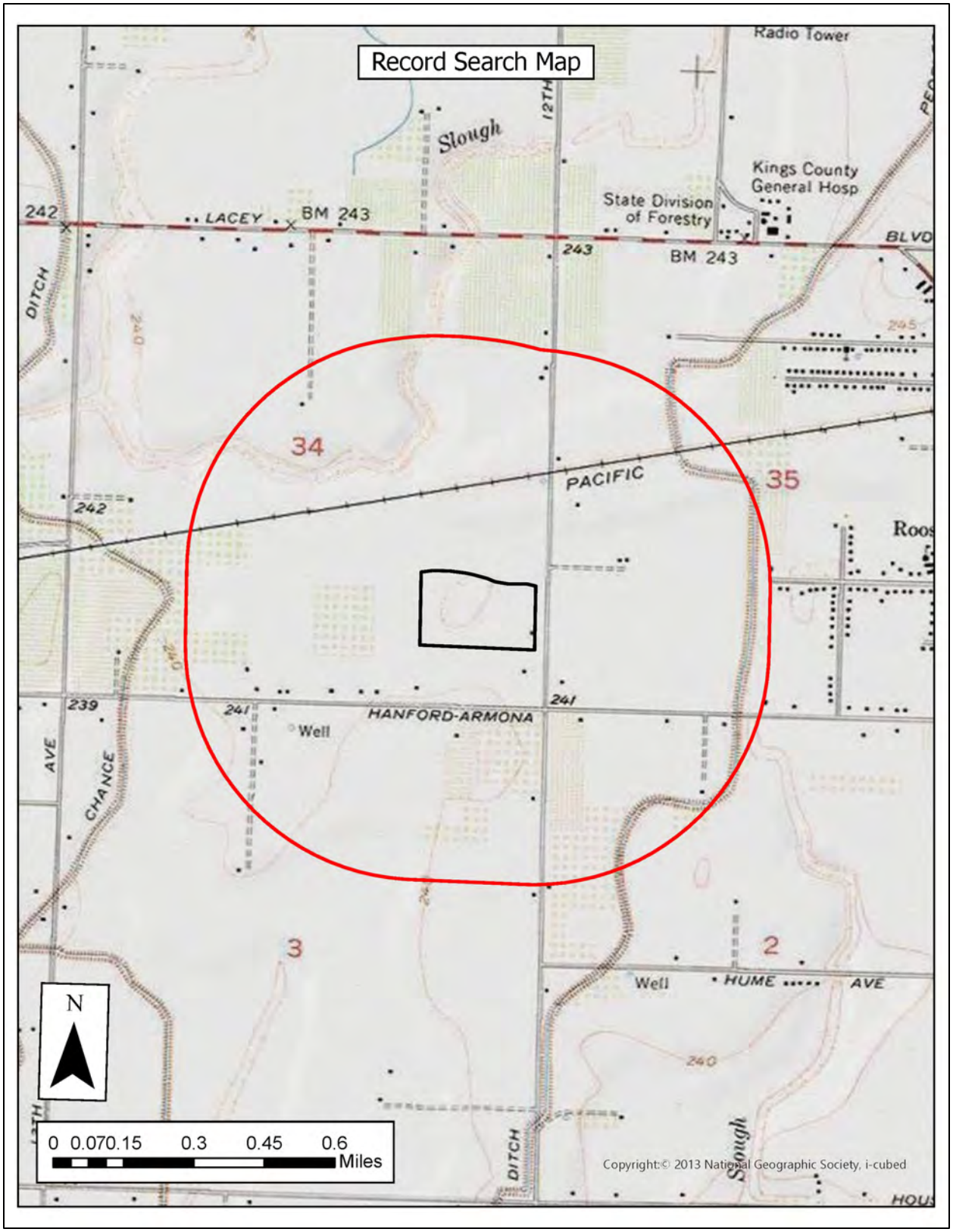


Figure 3: Record Search Map



Figure 4: Historic Aerial Image of Project Area (1957)



Figure 5: Historic Aerial Image of Project Area (1984)



Figure 6: Historic Aerial Image of Project Area (2022)

Sacred Lands File Search

The Native American Heritage Commission (NAHC) conducted a search of Sacred Lands Files (SLF) for the Project area and vicinity at the request of Kimley-Horn. The NAHC responded on September 24, 2024 and indicated that the results are negative for documented sacred lands in or near the Project area (Appendix B). As stated above, no previously recorded precontact Native American cultural resources were identified within 0.5 miles of the Project area. However, the NAHC also noted that the absence of listed site information in the SLF database does not indicate the absence of sacred lands. The City of Hanford will perform Assembly Bill (AB) 52 Consultation with the Native American Tribes. The results of the consultation are reported in the CEQA document for the Project.

Cultural Field Survey

Kimley-Horn Principal Investigator Jessica Mauck conducted an intensive-level pedestrian survey for the entire Project area on October 11, 2024 (Figure 7). The survey was conducted by walking parallel transects spaced approximately 15 meters apart outside of the area occupied by a residence. The residential area was surveyed via reconnaissance methods, as the property was occupied at the time of survey and had dogs on site. The entire Project area was included in the survey (see Figure 2). Due to prior clearing and grading, visibility was excellent (100%), and all surface exposures were carefully inspected for the presence of cultural resources (Figure 8). The survey conditions and weather were ideal, and no limitations were encountered. Digital photographs were taken at various points in the Project area. No archaeological resources were identified during the survey, though one historic-era single family residence was identified within the southeastern portion of the Project area and recorded as KHA-HMA-2024-01 (Appendix C).

SITE DESCRIPTION AND EVALUATION

A total of one (1) cultural resource was identified during the research and field efforts conducted for this study. The below section includes a description and evaluation of this resource, recorded as KHA-HMA-2024-01 (Appendix C).

KHA-HMA-2024-01

This site is a single-family residence that was initially developed prior to 1957 (Figure 9). However, City of Hanford parcel history information indicates the current building was re-developed in 1975 (Kings County Propery Information and Values Online). Research indicates the property was used as a residence associated with the agricultural uses of the remainder of the Project area, though no data related to the property's prior owners or relationship to the broader history of Hanford was uncovered. The structure is currently in fair condition, though has faced some deterioration/collapse on the southern exterior wall (Figure 10). The structure has a simple, rectangular design reminiscent of a 1960s/1970s Ranch Style House with a single roof over the primary residence on the north and an open carport with a single pole on the south. The roof is made of wood shakes while the exterior of the residence maintains vertical wood siding. Very little of the exterior seems to have been recently updated with the exception of white trimmed windows and rear sliding door. However, the north half of the property has a mixed material fence (brick columns with white vertical wood posts) that is aesthetically mis-matched to the structure and is not present in the 1984 aerial. In general, while the property exhibits some characteristics of its original use as a Ranch Style House, the structure does not strongly convey any particular style as a result of redevelopment in the 1970s and later modifications.

As a result of the research, survey, and information review conducted for this study, the below evaluation was conducted for KHA-HMA-2024-01:

- *Criterion 1:* Research was conducted as part of the study, and it was noted that this cultural resource is not associated with any important events. Therefore, it is recommended not eligible for the CRHR under Criterion 1.
- *Criterion 2:* Research has failed to indicate that the cultural resource is associated with the lives of persons important to our past, or that persons of significant regional or national stature can be linked to it. For these reasons, it is recommended not eligible for the CRHR under Criterion 2.
- *Criterion 3:* The resource is a single-family residence reconstructed in 1975 with later modifications. Though it retains some remnants of a Ranch Style House, it does not strongly convey any distinctive characteristics of a type, period, region, or method of construction, and does not represent the work of a master, possess high artistic values, or represent a significant or distinguishable entity whose components may lack individual distinction. For these reasons, it is recommended not eligible for the CRHR under Criterion 3.
- *Criterion 4:* This resource has not and is not likely to yield information important to the prehistory or history of the region. Therefore, it is recommended not eligible for the CRHR under Criterion 4.

As such, this cultural resource is not recommended eligible under any of the four criteria for listing on the CRHR, nor does the resource qualify as a "historical resource" under CEQA.



Figure 7: Project Area Overview



Figure 8: Example of Disturbed Soils in Project Area



Figure 9: Façade of KHA-HMA-2024-01



Figure 10: Deterioration/Collapse on Southern Exterior Wall

RECOMMENDATIONS

Kimley-Horn identified a total of one (1) cultural resource during the research and survey efforts conducted for this study: KHA-HMA-2024-01. Kimley-Horn conducted an evaluation for this resource and recommended it not eligible for listing in the CRHR. As such, no "historical resources" or "unique archaeological resources", as defined by CEQA, were identified within the Project area as a result of this study. However, though the likelihood of unidentified archaeological resources being present within the Project area is low, it is recommended that mitigation measures or conditions of approval be included that outline the process for the inadvertent discovery of cultural resources and/or human remains. With these mitigation measures in place, impacts to cultural resources would be less than significant. An example of such mitigation is included below:

- **CUL-1: Inadvertent Discoveries of Cultural Resources**
  In the event that cultural resources are discovered during Project implementation, all earthwork and ground-disturbing activities will halt within 50 feet of the discovery. An archaeologist meeting the Secretary of Interior's professional qualification standards (Qualified Archaeologist) will coordinate with the City of Hanford and identify whether the resource is potentially significant and if it requires further evaluation. If the cultural resources are Native American in origin, the Consulting Tribe(s), if any, must be immediately contacted and consulted regarding potential significance and treatment of the resource. For any potential significant cultural resources, the Qualified Archaeologist will make recommendations to the City to avoid or mitigate impacts to the resource.

  Preservation in place (i.e. avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery to excavate the resource along with subsequent laboratory processing and analysis. Disposition of significant Native American archaeological materials, such as reburial or curation by a qualified repository within Kings County, will be agreed upon by the City and Consulting Tribe(s). Any significant non-Native American archaeological material shall be curated at a public, non-profit institution with a research interest in the materials within Kings County, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.

  All identified cultural resources will be recorded on appropriate CA DPR 523 series forms and evaluated for significance. All findings will be included within a Monitoring Report drafted by the Qualified Archaeologist and submitted to the City and Consulting Tribe(s) for review. Final copies of the Monitoring Report will be submitted to the City, Consulting Tribe(s), and Southern San Joaquin Valley Information Center (SSJVIC).

- **CUL-2: Inadvertent Discoveries of Human Remains**
  If human remains are encountered during the undertaking, California State Health and Safety Code Section 7050.5 states that excavation shall stop and no further disturbance shall occur

within 100 feet of the discovery until the County Coroner has made a determination of origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), who will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery within 48 hours of notification. If the NAHC is unable to identify an MLD, the MLD fails to make a recommendation, or the landowner or his/her authorized representative rejects the recommendation, the human remains and associated items will be interred on the property with appropriate dignity in a location that will not be subject to future disturbance.

It is important to note that this report does not include discussion related to the presence of Tribal Cultural Resources (TCR), as defined by CEQA, as this is determined via government-to-government consultation between the City of Hanford and Native American Tribes. As such, recommendations made within this report as it relates to cultural resources of Native American origin, to include applicable mitigation measures, should be considered alongside the results of Tribal consultation.

Preparer's Qualifications

Jessica Mauck has over 15 years of experience in cultural resources management and historic preservation. She is listed in the Register of Professional Archaeologists (RPA) and meets Secretary of Interior (SOI) Professional Qualifications for Archaeology, History, and Architectural History. Her background includes long-term contracting for Federal land management agencies (USFS, NPS, DoD, BLM, etc.), overseeing Cultural Resources Management programming within Tribal government, and serving on several historic preservation advisory groups for State and Federal agencies. She has extensive experience conducting all phases of archaeological and historic architectural fieldwork and reporting under applicable state and federal law, such as the NHPA, NEPA, and CEQA. She also has many years of experience managing process for inadvertent discoveries of human remains and the inventory/ repatriation of existing archaeological collections subject to State and Federal law, such as the Native American Graves Protection and Repatriation Act (NAGPRA) and California Health & Safety Code (Section 7050.5). A copy of Jessica's qualifications is included in Appendix D of this report.

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APPENDIX A

Record Search Results

California Historical Resources Information System



Fresno
Kern
Kings
Madera
Tulare

Southern San Joaquin Valley Information Center
California State University, Bakersfield
Mail Stop: 72 DOB
9001 Stockdale Highway
Bakersfield, California 93311-1022
(661) 654-2289
E-mail: ssjvic@csub.edu
Website: www.csub.edu/ssjvic

9/30/2024

Note: Kimley-Horn confirmed via site record maps that P-16-000426, and -000310 are mis-mapped. P-16-000310 is located 14.5 miles south/southeast of the Project area and P-16-000426 is located 5.5 miles northeast of the Project area.

Max Bieber
Kimley-Horn & Associates
3801 University Ave., Suite 300
Riverside, CA 92501

Re: Maverik Hanford
Records Search File No.: 24-433

The Southern San Joaquin Valley Information Center received your record search request for the project area referenced above, located on Hanford USGS 7.5' quads. The following reflects the results of the records search for the project area and the 0.5 mile radius:

As indicated on the data request form, the locations of archaeological resources and reports are provided in the following format: ☐ custom GIS maps ☒ GIS data

Resources within project area:	None
Resources within 0.5 mile radius:	P-16-000068, 000122, 000246, 000310
Reports within project area:	KI-00042, 00192
Reports within 0.5 mile radius:	KI-00028, 00079, 00109, 00110, 00111, 00114, 00203, 00310, 00320

NOTE: Report location information was omitted, per the CHRIS Data Request Form.

Resource Database Printout (list):	☒ enclosed	☐ not requested	☐ nothing listed
Resource Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Resource Digital Database Records:	☐ enclosed	☒ not requested	☐ nothing listed
Report Database Printout (list):	☒ enclosed	☐ not requested	☐ nothing listed
Report Database Printout (details):	☐ enclosed	☒ not requested	☐ nothing listed
Report Digital Database Records:	☐ enclosed	☒ not requested	☐ nothing listed
Resource Record Copies:	☒ enclosed	☐ not requested	☐ nothing listed
Report Copies:	☒ enclosed	☐ not requested	☐ nothing listed
OHP Built Environment Resources Directory:	☐ enclosed	☒ not requested	☐ nothing listed
Archaeological Determinations of Eligibility:	☐ enclosed	☒ not requested	☐ nothing listed
CA Inventory of Historic Resources (1976):	☐ enclosed	☒ not requested	☐ nothing listed

Caltrans Bridge Survey: Not available at SSJVIC; please see https://dot.ca.gov/programs/environmental-analysis/cultural-studies/california-historical-bridges-tunnels

Ethnographic Information: Not available at SSJVIC

Historical Literature: Not available at SSJVIC

Historical Maps: Not available at SSJVIC; please see https://livingatlas.arcgis.com/topomapexplorer

Local Inventories: Not available at SSJVIC

GLO and/or Rancho Plat Maps: Not available at SSJVIC; please see http://www.glorecords.blm.gov/search/default.aspx#searchTabIndex=0&searchByTypeIndex=1 and/or http://www.oac.cdlib.org/view?docId=hb8489p15p;developer=local;style=oac4;doc.view=items

Shipwreck Inventory: Not available at SSJVIC; please see https://www.slc.ca.gov/shipwrecks/

Soil Survey Maps: Not available at SSJVIC; please see http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Invoices for Information Center services will be sent under separate cover from the California State University, Bakersfield Accounting Office.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Celeste M. Thomson
Coordinator

Report List

SSJVIC Record Search 24-433

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
KI-00028	NADB-R - 1140863	1995	Hatoff, Brian, Voss, Barb, Waechter, Sharon, Benté, Vance, and Wee, Stephen	Cultural Resources Inventory Report for the Proposed Mojave Northward Expansion Project	Woodward-Clyde Consultants	16-000067, 16-000068
KI-00042		1981	O'Connor, Denise and Clayton, A.B.	Archaeological Survey Report for an Interchange at 12th Avenue on Route 198, Kings County 06-KIN-198, R16.4/R17.4 06100-178200	Caltrans	
KI-00079		1998	Price, Barry A.	Cultural Resources Assessment for Pacific Bell Mobile Services Facility CV-503-01	Applied EarthWorks Inc.	
KI-00109	Submitter - Contract #675	2002	Love, Bruce and Tang, Bai "Tom"	Historic Property Survey Report: Cross Valley Rail Corridor Project Between the Cities of Visalia and Huron Tulare, Kings, and Fresno Counties, California	CRM TECH	16-000067, 16-000068, 16-000086, 16-000122, 16-000123, 16-000124, 16-000127, 16-000128
KI-00110	Submitter - Contact #675	2002	Love, Bruce and Tang, Bai "Tom"	Archaeological Survey Report: Cross Valley Rail Corridor Project Between the Cities of Visalia and Huron Tulare, Kings, and Fresno Counties, California	CRM TECH	
KI-00111	Submitter - Contract #675	2002	Love, Bruce and Tang, Bai "Tom"	Historic Study Report/Historical Resources Evaluation Report: Cross Valley Rail Corridor Project Between the Cities of Visalia and Huron Tulare, Kings, and Fresno Counties, California	CRM TECH	
KI-00114		2001	Cherry, Nikki	Nine Telecommunication Sites for Section 106 Review	Arcadis Geraghty & Miller, Inc.	
KI-00192	Caltrans - 06-Kin-198, PM R16.9 (KP R27.2) EA 06-48750; Submitter - Contract No. 06A0852, Task 22	2007	Lanner, David and Wohlgemuth, Eric	Archaeological Survey Report for the 12th Avenue Interchange on State Route 198, Hanford, Kings County, California	Far Western Anthropological Research Group, Inc.	
KI-00203		2011	Parr, Robert E.	Cultural Resource Assessment for the Replacement of Three Deteriorated Power Poles on the Southern California Edison Company Round Valley, Delta, and Lemoore 12kV Circuits, Kings and Tulare Counties, California.	Cal Heritage	
KI-00310	Other - PM 74000707	2017	Jones, Jessica	Cultural Resources Contstraints Report Kingsburg-Lemoore Reconductor, Kings County, California	Applied EarthWorks, Inc.	16-000122, 16-000128, 16-000129, 16-000246, 16-000447

Report List

SSJVIC Record Search 24-433

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
KI-00320	IC Record Search Nbr - 18-246	2018	Hudlow, Scott M.	A Phase I Cultural Resource Survey For Self-Help Enterprises, Hanford-Single Family Infill City of Hanford, California	Hudlow Cultural Resource Associates	

Resource List

SSJVIC Record Search 24-433

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-16-000068	CA-KIN-000069H	Resource Name - MNM-2H	Site	Historic	AH04	1993 (S. Waechter, D. Glover, P. Strader, B. Walsh, Far Western Anthropological Research Group, Inc.); 2001 (Bai "Tom" Tang, Daniel Ballester)	KI-00028, KI-00109
P-16-000122	CA-KIN-000117H	Resource Name - San Joaquin Valley Railroad, Southern Pacific Railroad; OHP Z-number - KIN-Z00002	Structure, Site	Historic	AH07; HP37	2001 (Bai "Tom" Tang, CRM Tech); 2013 (A. Gardner, L. Bennett, S. Lewis, Far Western Anthropological Research Group, Inc.); 2017 (Jessica Jones, Applied EarthWorks, Inc.)	KI-00109, KI-00245, KI-00310
P-16-000246	CA-KIN-000097H	Other - JKI-002, CRM TECH 675-5H, CRM TECH 607-8H; Resource Name - People's Ditch; OTIS Resource Number - 666092	Structure	Historic	HP20	2001 (Bai "Tom" Tang, Daniel Ballester, CRM TECH); 2001 (Bai "Tom" Tang, Daniel Ballester, CRM TECH); 2009 (Joseph Freeman, Jarma Jones, JRP Historical Consulting, LLC); 2017 (Jessica Jones, Applied EarthWorks, Inc.); 2019 (R. Azpitarte, ASM Affiliates, Inc.)	KI-00196, KI-00310, KI-00334
P-16-000310		Resource Name - CID-JF-ISO-08	Other	Prehistoric	AP02	2014 (J. Farrell, Tetra Tech)	KI-00267

APPENDIX B

Sacred Lands File Search Results

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Sara Dutschke
Miwok

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710

September 24, 2024

Max Bieber
Kimley-Horn and Associates, Inc.

Via Email to: max.bieber@kimley-horn.com

Re: Maverik Hanford Project, Kings County

Dear Mr. Bieber:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Cameron.vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Kings County
9/24/2024

County	Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Kings	Kitanemuk & Yowlumne Tejon Indians	N	Delia Dominguez, Chairperson	115 Radio Street Bakersfield, CA, 93305	(626) 339-6785		2deedominguez@gmail.com	Kitanemuk Southern Valley Yokut	Fresno,Kern,Kings,Los Angeles,Madera,Monterey,San Benito,San Luis Obispo,Tulare	
	Santa Rosa Rancheria Tachi Yokut Tribe	F	Nichole Escalon, Cultural Specialist I	P.O. Box 8 Lemoore, CA, 93245	(559) 924-1278		nescalone@tachi-yokut-nsn.gov	Southern Valley Yokut	Fresno,Kern,Kings,Merced,Monterey,San Benito,San Luis Obispo,Tulare	10/3/2023
	Santa Rosa Rancheria Tachi Yokut Tribe	F	Samantha McCarty, Cultural Specialist II	P.O. Box 8 Lemoore, CA, 93245	(559) 633-3440		smccarty@tachi-yokut-nsn.gov	Southern Valley Yokut	Fresno,Kern,Kings,Merced,Monterey,San Benito,San Luis Obispo,Tulare	10/3/2023
	Santa Rosa Rancheria Tachi Yokut Tribe	F	Shana Powers, THPO	P.O. Box 8 Lemoore, CA, 93245	(559) 423-3900		spowers@tachi-yokut-nsn.gov	Southern Valley Yokut	Fresno,Kern,Kings,Merced,Monterey,San Benito,San Luis Obispo,Tulare	10/3/2023
	Table Mountain Rancheria	F	Bob Pennell, Cultural Resource Director	P.O. Box 410 Friant, CA, 93626	(559) 325-0351	(559) 325-0394	rpennell@tmr.org	Yokut	Fresno,Kern,Kings,Madera,Monterey,San Benito,San Luis Obispo,Tulare	
	Table Mountain Rancheria	F	Michelle Heredia-Cordova, Chairperson	P.O. Box 410 Friant, CA, 93626	(559) 822-2587	(559) 822-2693	mhcordova@tmr.org	Yokut	Fresno,Kern,Kings,Madera,Monterey,San Benito,San Luis Obispo,Tulare	12/21/2023
	Tule River Indian Tribe	F	Neil Peyron, Chairperson	P.O. Box 589 Porterville, CA, 93258	(559) 781-4271	(559) 781-4610	neil.peyron@tulerivertribe-nsn.gov	Yokut	Alameda,Amador,Calaveras,Contra Costa,Fresno,Inyo,Kern,Kings,Madera,Mariposa,Merced,Monterey,Sacramento,San	
	Tule River Indian Tribe	F	Kerri Vera, Environmental Department	P. O. Box 589 Porterville, CA, 93258	(559) 783-8892	(559) 783-8932	kerri.vera@tulerivertribe-nsn.gov	Yokut	Alameda,Amador,Calaveras,Contra Costa,Fresno,Inyo,Kern,Kings,Madera,Mariposa,Merced,Monterey,Sacramento,San	7/22/2016
	Tule River Indian Tribe	F	Joey Garfield, Tribal Archaeologist	P. O. Box 589 Porterville, CA, 93258	(559) 783-8892	(559) 783-8932	joey.garfield@tulerivertribe-nsn.gov	Yokut	Alameda,Amador,Calaveras,Contra Costa,Fresno,Inyo,Kern,Kings,Madera,Mariposa,Merced,Monterey,Sacramento,San	7/22/2016
	Wuksachi Indian Tribe/Eshom Valley Band	N	Kenneth Woodrow, Chairperson	1179 Rock Haven Ct. Salinas, CA, 93906	(831) 443-9702		kwood8934@aol.com	Foothill Yokut Mono	Alameda,Calaveras,Contra Costa,Fresno,Inyo,Kings,Madera,Marin,Mariposa,Merced,Mono,Monterey,San Benito,San	6/19/2023

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Maverik Hanford Project, Kings County.

Record: PROJ-2024-004959
Report Type: List of Tribes
Counties: Kings
NAHC Group: All

APPENDIX C

CA DPR 523 Forms

State of California ◆ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code
Other Listings
Review Code Reviewer Date

Page 1 of 3 *Resource Name or #: (Assigned by recorder) KHA-HMA-2024-01
P1. Other Identifier:

*P2. Location: ☐ Not for Publication ■ Unrestricted
*a. County Kings and (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
*b. USGS 7.5' Quad Hanford Date 2021 T 18S ; R 21E ; SE 1/4 of SE 1/4 of Sec 34; Mount Diablo P.M.
c. Address 10864 12TH AVE City Hanford Zip 93230
d. UTM: (Give more than one for large and/or linear resources) Zone 11S , 259980 mE/ 4022254 mN
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

This resource is a single-family residence that was initially developed prior to 1957 and re-developed in 1975. The structure is currently in fair condition, though has some collapse on the southern exterior wall. The structure has a simple, rectangular design reminiscent of a 1960s/1970s Ranch Style House with a single roof over the primary residence on the north and an open carport with a single pole on the south. The roof is made of wood shakes while the exterior of the residence maintains vertical wood siding. Very little of the exterior seems to have been recently updated with the exception of white trimmed windows and rear sliding door. However, the north half of the property has a mixed material fence (brick columns with white vertical wood posts) that is aesthetically mis-matched to the structure and is not present in the 1984 aerial.



*P3b. Resource Attributes: (List attributes and codes) HP2. Single family property
*P4. Resources Present: ■ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5b. Description of Photo: (view, date, accession #) Façade
*P6. Date Constructed/Age and Source: ■ Historic ☐ Prehistoric ☐ Both

*P7. Owner and Address:
10864 12TH AVE HANFORD CA
*P8. Recorded by: (Name, affiliation, and address) Jessica Mauck, Kimley-Horn and Associates, 3801 University Ave. Suite 300, Riverside, CA 92501
*P9. Date Recorded: 10/11/2024
*P10. Survey Type: (Describe)
Intensive Pedestrian
*P11. Report Citation: (Cite survey report and other sources, or enter "none.")
Cultural Resources Assessment for the Maverik Hanford Project, City of Hanford, Kings County, California

*Attachments: ☐NONE ■Location Map ☐ Continuation Sheet ■Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record Other (List):

State of California ♄ The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) KHA-HMA-2024-01 ***NRHP Status Code**
Page 2 **of** 3

B1. Historic Name: N/A
B2. Common Name: N/A
B3. Original Use: Residential B4. Present Use: Residential ***B5. Architectural Style:** Ranch Style/Common Vernacular
***B6. Construction History:** (Construction date, alterations, and date of alterations)
County records note the residence was redevelopment in 1975. Windows and doors have been updated. In general, while the property exhibits some characteristics of its original use as a Ranch Style House, the structure does not strongly convey any particular style as a result of redevelopment in the 1970s and later modifications.

***B7. Moved?** ☒No ☐Yes ☐Unknown **Date:** N/A **Original Location:** N/A
***B8. Related Features:** Adjacent agricultural field
B9a. Architect: Unknown b. Builder: Unknown
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A (Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Criterion 1: Research was conducted as part of the study, and it was noted that this cultural resource is not associated with any important events. Therefore, it is recommended not eligible for the CRHR under Criterion 1.
Criterion 2: Research has failed to indicate that the cultural resource is associated with the lives of persons important to our past, or that persons of significant regional or national stature can be linked to it. For these reasons, it is recommended not eligible for the CRHR under Criterion 2.
Criterion 3: The resource is a single-family residence reconstructed in 1975 with later modifications. Though it retains some remnants of a Ranch Style House, it does not strongly convey any distinctive characteristics of a type, period, region, or method of construction, and does not represent the work of a master, possess high artistic values, or represent a significant or distinguishable entity whose components may lack individual distinction. For these reasons, it is recommended not eligible for the CRHR under Criterion 3.
Criterion 4: This resource has not and is not likely to yield information important to the prehistory or history of the region. Therefore, it is recommended not eligible for the CRHR under Criterion 4.
As such, this cultural resource is not recommended eligible under any of the four criteria for listing on the CRHR.

B11. Additional Resource Attributes: (List attributes and codes) None
***B12. References:** N/A
B13. Remarks: N/A
***B14. Evaluator:** Jessica Mauck
***Date of Evaluation:** 10/31/2024

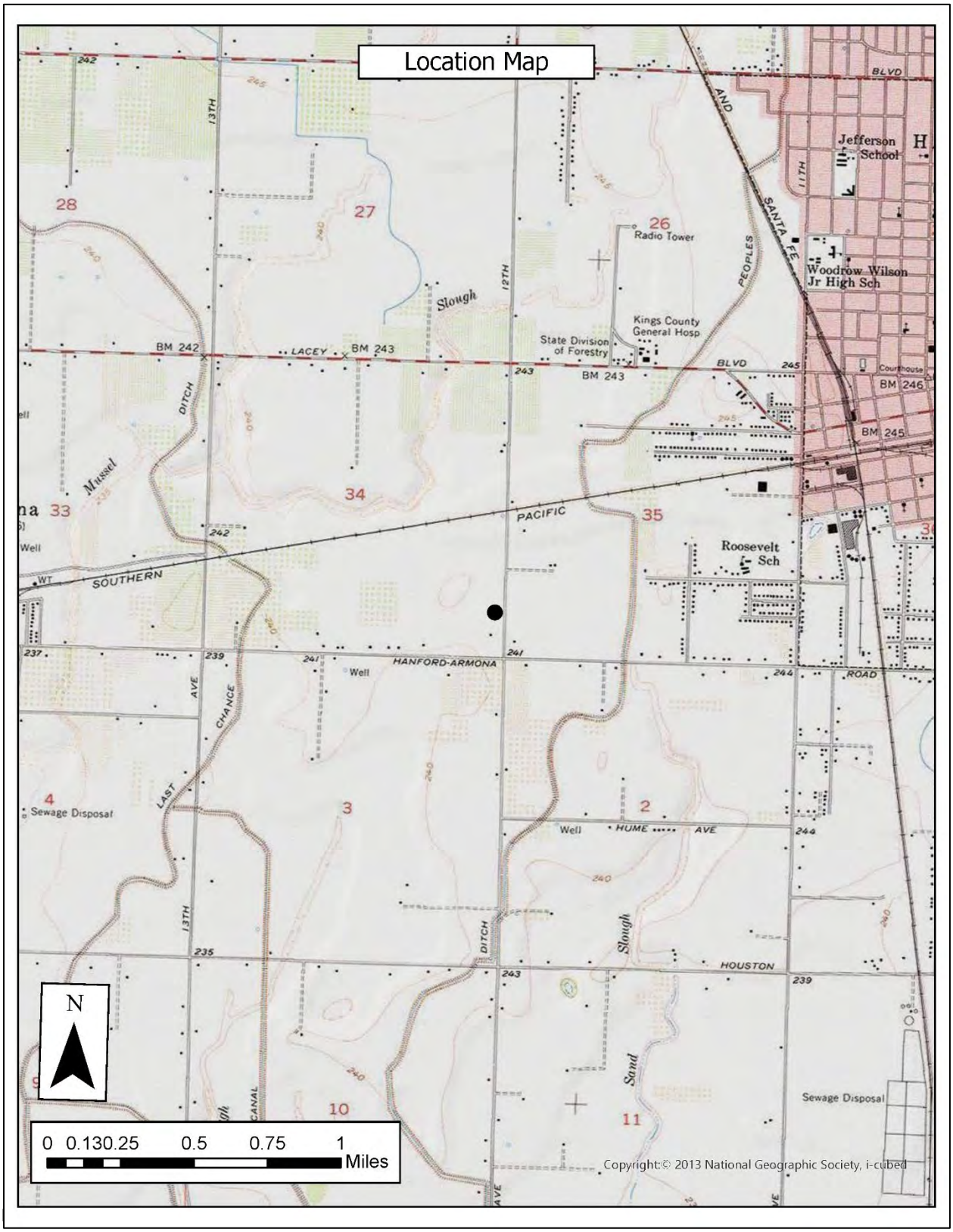


(This space reserved for official comments.)

State of California - The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#
LOCATION MAP
Trinomial

Page 3 **of** 3 ***Resource Name or #** (Assigned by recorder) KHA-HMA-2024-01

***Map Name:** Resource Location Map ***Scale:** 1:24,000 ***Date of map:** 10/31/2024



APPENDIX D

Preparer's Qualifications

Jessica Mauck, MA, RPA



Cultural Resources Management

Professional Credentials

- Master of Arts, Urban Conservation, University of Leicester, England (*expected 2026*)
- Master of Arts, Historical Archaeology, University of Leicester, England (*2015*)
- Bachelor of Arts, Anthropology, University of California, Los Angeles (*2011*)

Jessica has over 15 years of experience in cultural resources management and historic preservation. She is listed in the Register of Professional Archaeologists (RPA) and meets Secretary of Interior (SOI) Professional Qualifications for Archaeology, History, and Architectural History. Her background includes long-term contracting for Federal land management agencies (USFS, NPS, DoD, BLM, etc.), overseeing Cultural Resources Management programming within Tribal government, and serving on several historic preservation advisory groups for State and Federal agencies. She has extensive experience conducting all phases of archaeological and historic architectural fieldwork and reporting under applicable state and federal law, such as the NHPA, NEPA, and CEQA. She also has many years of experience managing process for inadvertent discoveries of human remains and the inventory/ repatriation of existing archaeological collections subject to State and Federal law, such as the Native American Graves Protection and Repatriation Act (NAGPRA) and California Health & Safety Code (Section 7050.5).

Recent Relevant Experience

- City of Hanford, Maverik Hanford Project, Hanford, CA – Cultural Resources Assessment (CEQA) – Principal Investigator/Sole Author
- City of Fresno, Fashion Fair Mall Project, Fresno, CA – Historical Resources Assessment (CEQA) – Principal Architectural Historian
- FAA/County of Kern, Kern Valley Airport Fence Project, Kernville, CA – Historic Property Inventory and Evaluation Report (NHPA/NEPA & CEQA) – Principal Investigator
- City of Tracy/HUD, Emergency Shelter, Tracy, CA – Cultural Resources Assessment (NHPA) – Principal Investigator/ Sole Author
- City of Hollister, Runway 6 Improvements, Hollister, CA – Cultural Resources Assessment/Tribal Consultation Support (NHPA/NEPA & CEQA) – Principal Investigator/Sole Author
- City of Turlock, Turlock Wastewater Treatment Plant, Turlock, CA – Environmental (Biological and Cultural) Constraints Memorandum – Principal Investigator/Co-Author
- County of Kern, Mojave Micro Mill EIR, Kern County, CA – Peer Review of the Cultural Resources Assessment
- County of Kern, Airport Commerce Center EIR, Kern County, CA – Peer Review of the Cultural Resources Assessment
- City of Barstow and County of San Bernardino, BNSF BIG Barstow, Barstow, CA — Paleontological Resources Assessment, Cultural Resources Assessment, Tribal Coordination Support, & CUL/TCR EIR Chapters (NHPA/NEPA & CEQA) – Principal Investigator
- Bureau of Land Management Land Sale Project, Barstow, CA – Historic Properties Inventory and Evaluation Report (NHPA/NEPA) – Principal Investigator
- Metrolink, Balboa Double Track Extension Project, Los Angeles County, CA – Cultural Resources Monitoring Plan (CRMP) Sole Author
- Metrolink, Canyon Siding Extension Project, Los Angeles County, CA – Cultural Resources Monitoring Plan (CRMP) Sole Author
- City of Burbank, Serverfarm Burbank Project, Burbank, CA – Cultural Resources Inventory and Evaluation Report (CEQA) Principal Investigator/Sole Author
- City of Gardena, 1610 Artesia Boulevard, Gardena, CA – Project Cultural Resources Assessment (CEQA) — Principal Investigator/Sole Author

APPENDIX E

NOISE MODELING DATA

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Maverik Hanford
Project Number:
Scenario: Ambient Noise Levels
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway				
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			Calculated
Receptor	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	Calculated Distance[1]	70 CNEL	65 CNEL	60 CNEL	55 CNEL	Distance (feet)[1]
259918.23, 4022181.49 (South)	12th Avenue	North of Hayden	2	15	17,500	40	0	2.0%	1.0%	64.4	-	87	275	869	100
259739.22, 4022244.26 (Southwest)	12th Avenue	North of Hayden	2	15	17,500	40	0	2.0%	1.0%	54.6	-	86	272	861	946
260127.30, 4022178.17 (Southeast)	12th Avenue	North of Hayden	2	15	17,500	40	0	2.0%	1.0%	58.9	-	86	273	862	350

[1] Distance is from the centerline of the roadway segment to the receptor location. The distance is measured from the property line of the sensitive receptor, where it is closest to the project site.
"-" = contour is located within the roadway right-of-way.

Project: Maverik Hanford

Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	Daytime hours (7 am to 7 pm)	8
	Evening hours (7 pm to 10 pm)	0
	Nighttime hours (10 pm to 7 am)	0
Leq to L10 factor		3

	Receptor (Land Use)	Average Distance (feet)	Distance to Property Line (feet)	Shielding	Direction
1	Child Care Center	1	193	0	N
2	Multifamily Residential	2	390	0	S
3	Single Family Residential	3	464	0	E

Construction Noise Levels by Phase (Leq)

Demolition	Site Preparation	Grading	Building Construction	Paving	Architectural Coating	Off-site Infrastructure Improvement	Maximum Construction
73.9	75.9	75.5	75.3	74.8	62.0	70.3	77.0
67.8	69.8	69.4	69.2	68.7	55.9	64.2	70.8
66.3	68.3	67.9	67.7	67.2	54.4	62.7	69.3

Construction Phase	Equipment Type	No. of Equip.	Acoustical Usage Factor	Reference Noise Level at 50ft per Unit, Lmax	RECEPTOR 1 Distance (feet)	RECEPTOR 1 Noise Level at Receptor 1, Lmax	RECEPTOR 1 Noise Level at Receptor 1, Leq	RECEPTOR 2 Distance (feet)	RECEPTOR 2 Noise Level at Receptor 2, Lmax	RECEPTOR 2 Noise Level at Receptor 2, Leq	RECEPTOR 3 Distance (feet)	RECEPTOR 3 Noise Level at Receptor 3, Lmax	RECEPTOR 3 Noise Level at Receptor 3, Leq
Demolition													
	Rubber Tired Dozers	2	20%	80	193	71.3	64.3	390	65.2	58.2	464	63.7	56.7
	Excavators	3	40%	81	193	73.7	69.8	390	67.6	63.6	464	66.1	62.1
	Concrete/Industrial Saws	1	20%	90	193	77.9	70.9	390	71.8	64.8	464	70.2	63.3
	Combined LEQ						**73.9**			**67.8**			**66.3**
Site Preparation													
	Dozer	3	40%	82	193	74.7	70.8	390	68.6	64.6	464	67.1	63.1
	Tractor	4	40%	84	193	78.3	74.3	390	72.2	68.2	464	70.7	66.7
	Combined LEQ						**75.9**			**69.8**			**68.3**
Grading													
	Grader	1	40%	85	193	73.3	69.3	390	67.2	63.2	464	65.6	61.7
	Excavator	1	40%	81	193	69.0	65.0	390	62.9	58.9	464	61.3	57.4
	Tractor	3	40%	84	193	77.0	73.1	390	70.9	66.9	464	69.4	65.4
	Dozer	1	40%	82	193	70.0	66.0	390	63.9	59.9	464	62.3	58.4
	Combined LEQ						**75.5**			**69.4**			**67.9**
Building Construction													
	Generator	1	50%	81	193	68.9	65.9	390	62.8	59.7	464	61.2	58.2
	Crane	1	16%	81	193	68.9	60.9	390	62.8	54.8	464	61.2	53.3
	Welder/Torch	1	40%	74	193	62.3	58.3	390	56.2	52.2	464	54.6	50.7
	Tractor	3	40%	84	193	77.0	73.1	390	70.9	66.9	464	69.4	65.4
	Forklift	3	40%	80	193	73.0	69.1	390	66.9	62.9	464	65.4	61.4
	Combined LEQ						**75.3**			**69.2**			**67.7**
Paving													
	Paver	2	50%	77	193	68.5	65.5	390	62.4	59.4	464	60.9	57.8
	Pavement Scarafier	2	20%	90	193	80.8	73.8	390	74.7	67.7	464	73.2	66.2
	Roller	2	20%	80	193	71.3	64.3	390	65.2	58.2	464	63.7	56.7
	Combined LEQ						**74.8**			**68.7**			**67.2**
Architectural Coating													
	Compressor (air)	1	40%	78	193	66.0	62.0	390	59.9	55.9	464	58.3	54.4
Combined LEQ							**62.0**			**55.9**			**54.4**
Off-site Infrastructure Improvement													
	Slurry Trenching Machine	1	50%	80	193	68.7	65.7	390	62.6	59.5	464	61.0	58.0
	Paver	1	50%	77	193	65.5	62.5	390	59.4	56.3	464	57.8	54.8
	Roller	1	20%	80	193	68.3	61.3	390	62.2	55.2	464	60.6	53.7
	Dozer	1	40%	82	193	70.0	66.0	390	63.9	59.9	464	62.3	58.4
	Combined LEQ						**70.3**			**64.2**			**62.7**
Overlapping Phases													
Building Construction + Architectural Coating							75.5			69.4			67.9
Site Preparation + Off-site Infrastrucutre Improvement							77.0			70.8			69.3
Maximum Noise Level							**77.0**			**70.8**			**69.3**

Source for Ref. Noise Levels: RCNM, 2005

* source for any user defined equipment/data

Daycare Center to the South

Coordinates	Noise Source	Reference Level (dBA Leq)	Reference Distance (feet)	Distance to Receptor (feet)[1]	Level at Receptor (dBA Leq)[4]
259918.23, 4022181.49	Mechanical Equipment[2]	52.0	50	434	33.2
259918.23, 4022181.49	Truck Movements[2]	64.0	50	451	32.2
259918.23, 4022181.49	Truck Back-up Alarms	97.0	3.28	451	40.5
259918.23, 4022181.49	Parking/Fueling[3]	50.4	50	337	33.9
259918.23, 4022181.49	Landscape Maintenance	70.0	5	286	34.9
			Combined Noise Level:		***43.1***

1. The distance is from the location of the operational noise source to the sensitive receptor property line.

2. Source for reference level: Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values* , July 6, 2010.

3. Source for reference level: Kariel, H. G., *Noise in Rural Recreational Environments* , Canadian Acoustics 19(5), 3-10, 1991.

4. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.

Project Sources

Decibel Addition:

$$L = 10\,Log_{10}(\sum_{i=1}^{n} 10^{\frac{Li}{10}})$$

n 1	33.2	Mechanical Equipment
n 2	32.2	Truck Movements
n 3	40.5	Truck Back-up Alarms
n 4	33.9	Parking/Fueling
n 5	34.9	Landscape Maintenance
	43.1	**dBA Leq**

Project Stationary Sources

Period	Modeled Noise Level
Late Night:	43.1
Night off-peak:	43.1
Peak:	43.1
Day off-peak:	43.1

Start Hour	Hypothetically assign to:	LAeq1h	Nighttime Penalty	Adjusted Level	Energy 10^(L/10)
12:00 AM	Late night	43.11092565	10	53.110926	204,688
1:00 AM	Late night	43.11092565	10	53.110926	204,688
2:00 AM	Late night	43.11092565	10	53.110926	204,688
3:00 AM	Late night	43.11092565	10	53.110926	204,688
4:00 AM	Late night	43.11092565	10	53.110926	204,688
5:00 AM	Night off-peak	43.11092565	10	53.110926	204,688
6:00 AM	Peak	43.11092565	10	53.110926	204,688
7:00 AM	Peak	43.11092565	0	43.110926	20,469
8:00 AM	Peak	43.11092565	0	43.110926	20,469
9:00 AM	Day off-peak	43.11092565	0	43.110926	20,469
10:00 AM	Day off-peak	43.11092565	0	43.110926	20,469
11:00 AM	Day off-peak	43.11092565	0	43.110926	20,469
12:00 PM	Day off-peak	43.11092565	0	43.110926	20,469
1:00 PM	Day off-peak	43.11092565	0	43.110926	20,469
2:00 PM	Day off-peak	43.11092565	0	43.110926	20,469
3:00 PM	Day off-peak	43.11092565	0	43.110926	20,469
4:00 PM	Peak	43.11092565	0	43.110926	20,469
5:00 PM	Peak	43.11092565	0	43.110926	20,469
6:00 PM	Peak	43.11092565	0	43.110926	20,469
7:00 PM	Night off-peak	43.11092565	5	48.110926	64,728
8:00 PM	Night off-peak	43.11092565	5	48.110926	64,728
9:00 PM	Night off-peak	43.11092565	5	48.110926	64,728
10:00 PM	Night off-peak	43.11092565	10	53.110926	204,688
11:00 PM	Late night	43.11092565	10	53.110926	204,688
				Energy Sum =	2,282,003

CNEL = 10 log (sum/24) = 49.8 dB CNEL

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Movements	64	50	451		44.9	19	0.17	3.23	30873.575	99721.648

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

56.77	1	56.77
	Total	99721.648
	No. samples	60
		1662.0275

Results

Truck Movement Noise Levels

Metric	Exterior
L_{eq}	32.2

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Back-up Alarms	97	3.28	451	0	54.2	19	0.13	2.53	265090.77	671563.28

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

57.47	1	57.466667
	Total	671563.28
	No. samples	60
		11192.721

Results

Truck Back-up Alarm Noise Levels

Metric	Exterior
L_{eq}	40.5

Parking/Fueling Noise

Number of Vehicles Per Hour[1]:	253
Hourly L_{eq} at 50 feet:	50.4

$L_{eq(h)} = SEL_{ref} + 10\log(NA/1{,}000) - 35.6$

Where:

$L_{eq(h)}$	=	50.4	hourly L_{eq} noise level at 50 feet
SEL_{ref}	=	92	reference noise level for stationary noise source represented in sound exposure level (SEL) at 50 feet
NA	=	253	number of automobiles per hour
35.6	=	35.6	Constant, calculated as 10 times the logarithm of the number of seconds in an hour

FTA's reference noise level is 92 dBA SEL at 50 feet from the noise source for a parking lot
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual* , September 2018.

1. Total vehicles per hour based on one-way peak hour trips from the Traffic Study.

Multi-family Residential

Coordinates	Noise Source	Reference Level (dBA Leq)	Reference Distance (feet)	Distance to Receptor (feet)[1]	Level at Receptor (dBA Leq)[4]
259739.22, 4022244.26	Mechanical Equipment[2]	52.0	50	662	29.6
259739.22, 4022244.26	Truck Movements[2]	64.0	50	653	29.0
259739.22, 4022244.26	Truck Back-up Alarms	97.0	3.28	653	37.3
259739.22, 4022244.26	Parking/Fueling[3]	50.4	50	529	29.9
259739.22, 4022244.26	Landscape Maintenance	70.0	5	459	30.7
				Combined Noise Level:	***39.7***

1. The distance is from the location of the operational noise source to the sensitive receptor property line.

2. Source for reference level: Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values* , July 6, 2010.

3. Source for reference level: Kariel, H. G., *Noise in Rural Recreational Environments* , Canadian Acoustics 19(5), 3-10, 1991.

4. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.

Project Sources

Decibel Addition:

$$L = 10\,Log_{10}(\sum_{i=1}^{n} 10^{\frac{Li}{10}})$$

n 1	29.6	Mechanical Equipment2
n 2	29.0	Truck Movements2
n 3	37.3	Truck Back-up Alarms
n 4	29.9	Parking/Fueling3
n 5	30.7	Landscape Maintenance
	39.7	**dBA Leq**

Project Stationary Sources

Period	Modeled Noise Level
Late Night:	39.7
Night off-peak:	39.7
Peak:	39.7
Day off-peak:	39.7

Start Hour	Hypothetically assign to:	LAeq1h	Nighttime Penalty	Adjusted Level	Energy 10^(L/10)
12:00 AM	Late night	39.65304977	10	49.65305	92,322
1:00 AM	Late night	39.65304977	10	49.65305	92,322
2:00 AM	Late night	39.65304977	10	49.65305	92,322
3:00 AM	Late night	39.65304977	10	49.65305	92,322
4:00 AM	Late night	39.65304977	10	49.65305	92,322
5:00 AM	Night off-peak	39.65304977	10	49.65305	92,322
6:00 AM	Peak	39.65304977	10	49.65305	92,322
7:00 AM	Peak	39.65304977	0	39.65305	9,232
8:00 AM	Peak	39.65304977	0	39.65305	9,232
9:00 AM	Day off-peak	39.65304977	0	39.65305	9,232
10:00 AM	Day off-peak	39.65304977	0	39.65305	9,232
11:00 AM	Day off-peak	39.65304977	0	39.65305	9,232
12:00 PM	Day off-peak	39.65304977	0	39.65305	9,232
1:00 PM	Day off-peak	39.65304977	0	39.65305	9,232
2:00 PM	Day off-peak	39.65304977	0	39.65305	9,232
3:00 PM	Day off-peak	39.65304977	0	39.65305	9,232
4:00 PM	Peak	39.65304977	0	39.65305	9,232
5:00 PM	Peak	39.65304977	0	39.65305	9,232
6:00 PM	Peak	39.65304977	0	39.65305	9,232
7:00 PM	Night off-peak	39.65304977	5	44.65305	29,195
8:00 PM	Night off-peak	39.65304977	5	44.65305	29,195
9:00 PM	Night off-peak	39.65304977	5	44.65305	29,195
10:00 PM	Night off-peak	39.65304977	10	49.65305	92,322
11:00 PM	Late night	39.65304977	10	49.65305	92,322
				Energy Sum =	1,029,268

CNEL = 10 log (sum/24) = 46.3 dB CNEL

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Movements	64	50	653		41.7	19	0.17	3.23	14726.978	47568.14

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

56.77	1	56.77
	Total	47568.14
	No. samples	60
		792.80233

Results

Truck Movement Noise Levels

Metric	Exterior
L_{eq}	29.0

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Back-up Alarms	97	3.28	653	0	51.0	19	0.13	2.53	126450.73	320341.84

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

57.47	1	57.466667
	Total	320341.84
	No. samples	60
		5339.0306

Results

Truck Back-up Alarm Noise Levels

Metric	Exterior
L_{eq}	37.3

Parking/Fueling Noise

Number of Vehicles Per Hour[1]:	253
Hourly L_{eq} at 50 feet:	50.4

$L_{eq(h)} = SEL_{ref} + 10log(NA/1,000) – 35.6$

Where:

$L_{eq(h)}$	=	50.4	hourly L_{eq} noise level at 50 feet
SEL_{ref}	=	92	reference noise level for stationary noise source represented in sound exposure level (SEL) at 50 feet
NA	=	253	number of automobiles per hour
35.6	=	35.6	Constant, calculated as 10 times the logarithm of the number of seconds in an hour

FTA's reference noise level is 92 dBA SEL at 50 feet from the noise source for a parking lot
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual* , September 2018.

1. Total vehicles per hour based on one-way peak hour trips from the Traffic Study.

Single-family Residential

Coordinates	Noise Source	Reference Level (dBA Leq)	Reference Distance (feet)	Distance to Receptor (feet)[1]	Level at Receptor (dBA Leq)[4]
260127.30, 4022178.17	Mechanical Equipment[2]	52.0	50	745	28.5
260127.30, 4022178.17	Truck Movements[2]	64.0	50	803	27.2
260127.30, 4022178.17	Truck Back-up Alarms	97.0	3.28	803	35.5
260127.30, 4022178.17	Parking/Fueling[3]	50.4	50	618	28.6
260127.30, 4022178.17	Landscape Maintenance	70.0	5	513	29.8
				Combined Noise Level:	***38.1***

1. The distance is from the location of the operational noise source to the sensitive receptor property line.

2. Source for reference level: Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values* , July 6, 2010.

3. Source for reference level: Kariel, H. G., *Noise in Rural Recreational Environments* , Canadian Acoustics 19(5), 3-10, 1991.

4. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.

Project Sources

Decibel Addition:

$$L = 10\,Log_{10}(\sum_{i=1}^{n} 10^{\frac{Li}{10}})$$

n 1	28.5	Mechanical Equipment2
n 2	27.2	Truck Movements2
n 3	35.5	Truck Back-up Alarms
n 4	28.6	Parking/Fueling3
n 5	29.8	Landscape Maintenance
	38.1	**dBA Leq**

Project Stationary Sources

Period	Modeled Noise Level
Late Night:	38.1
Night off-peak:	38.1
Peak:	38.1
Day off-peak:	38.1

Start Hour	Hypothetically assign to:	LAeq1h	Nighttime Penalty	Adjusted Level	Energy 10^(L/10)
12:00 AM	Late night	38.10548598	10	48.105486	64,647
1:00 AM	Late night	38.10548598	10	48.105486	64,647
2:00 AM	Late night	38.10548598	10	48.105486	64,647
3:00 AM	Late night	38.10548598	10	48.105486	64,647
4:00 AM	Late night	38.10548598	10	48.105486	64,647
5:00 AM	Night off-peak	38.10548598	10	48.105486	64,647
6:00 AM	Peak	38.10548598	10	48.105486	64,647
7:00 AM	Peak	38.10548598	0	38.105486	6,465
8:00 AM	Peak	38.10548598	0	38.105486	6,465
9:00 AM	Day off-peak	38.10548598	0	38.105486	6,465
10:00 AM	Day off-peak	38.10548598	0	38.105486	6,465
11:00 AM	Day off-peak	38.10548598	0	38.105486	6,465
12:00 PM	Day off-peak	38.10548598	0	38.105486	6,465
1:00 PM	Day off-peak	38.10548598	0	38.105486	6,465
2:00 PM	Day off-peak	38.10548598	0	38.105486	6,465
3:00 PM	Day off-peak	38.10548598	0	38.105486	6,465
4:00 PM	Peak	38.10548598	0	38.105486	6,465
5:00 PM	Peak	38.10548598	0	38.105486	6,465
6:00 PM	Peak	38.10548598	0	38.105486	6,465
7:00 PM	Night off-peak	38.10548598	5	43.105486	20,443
8:00 PM	Night off-peak	38.10548598	5	43.105486	20,443
9:00 PM	Night off-peak	38.10548598	5	43.105486	20,443
10:00 PM	Night off-peak	38.10548598	10	48.105486	64,647
11:00 PM	Late night	38.10548598	10	48.105486	64,647
				Energy Sum =	720,729

CNEL = 10 log (sum/24) = **44.8** **dB CNEL**

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Movements	64	50	803		39.9	19	0.17	3.23	9738.8778	31456.575

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

56.77	1	56.77
	Total	31456.575
	No. samples	60
		524.27626

Results

Truck Movement Noise Levels

Metric	Exterior
L_{eq}	27.2

Source	Noise Level	Reference Dist. (feet)	Dist. to Receptor (feet)	Building Row*	Distance Attenuation	Total Trucks per Hour[1]	Duration per Truck (minutes)	Total Duration (minutes)	anti-log	Total Noise
Truck Back-up Alarms	97	3.28	803	0	49.2	19	0.13	2.53	83621.239	211840.47

1. Total trucks per hour based on one-way peak hour trips from the Traffic Study.

57.47	1	57.466667
	Total	211840.47
	No. samples	60
		3530.6745

Results

Truck Back-up Alarm Noise Levels

Metric	Exterior
L_{eq}	35.5

Parking/Fueling Noise

Number of Vehicles Per Hour[1]:	253
Hourly L_{eq} at 50 feet:	50.4

$L_{eq(h)} = SEL_{ref} + 10log(NA/1,000) – 35.6$

Where:

$L_{eq(h)}$	=	50.4	hourly L_{eq} noise level at 50 feet
SEL_{ref}	=	92	reference noise level for stationary noise source represented in sound exposure level (SEL) at 50 feet
NA	=	253	number of automobiles per hour
35.6	=	35.6	Constant, calculated as 10 times the logarithm of the number of seconds in an hour

FTA's reference noise level is 92 dBA SEL at 50 feet from the noise source for a parking lot
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual* , September 2018.

1. Total vehicles per hour based on one-way peak hour trips from the Traffic Study.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Maverik Hanford
Project Number:
Scenario: Existing
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

							Vehicle Mix			Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	50 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	12th Avenue	North of Hayden	2	15	17,500	40	0	2.0%	1.0%	67.5	-	89	283	895
2	12th Avenue	South of Hayden	2	15	17,489	40	0	2.0%	1.0%	67.5	-	89	283	894

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: Maverik Hanford
Project Number:
Scenario: Existing Plus Project
Ldn/CNEL: CNEL

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

							Vehicle Mix		Distance from Centerline of Roadway				
				Median	ADT	Speed	Alpha	Medium	Heavy	CNEL at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	50 Feet	70 CNEL	65 CNEL	60 CNEL	55 CNEL
1	12th Avenue	North of Hayden	2	15	21,489	40	0	2.5%	1.3%	68.9	-	123	388	1,228
2	12th Avenue	South of Hayden	2	15	18,486	40	0	2.9%	1.5%	68.6	-	114	360	1,138

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

APPENDIX F

TRAFFIC IMPACT STUDY

Transportation Impact Study

Maverik Hanford
Hanford, California

January 26, 2026

Prepared for:

Maverik, Inc.

Prepared by:

Kimley»Horn

555 Capitol Mall, Suite 300
Sacramento, California 95814

Phone: (916) 858-5800

EXECUTIVE SUMMARY

This report documents the results of a local transportation assessment (LTA) and a CEQA/SB 743 assessment completed for the Maverik Hanford project (the "proposed project", or "project"). The LTA informs the reader regarding the project's anticipated operational effects on the local transportation network. The CEQA/SB 743 assessment informs the reader regarding the project's anticipated environmental effects regarding transportation (specifically Vehicle Miles Traveled (VMT)). The project proposes a Maverik Gas Station to be located along 12th Avenue at its intersection with Hayden Avenue, near the 12th Avenue interchange with Highway 198 (SR-198) in the City of Hanford, California (the "City"). The proposed Maverik Gas Station will provide 16 passenger car/non-truck fueling positions, 6 truck/heavy vehicle fueling positions, and a 5,982 square foot (SF) convenience store.

Access to the project site will be provided via one (1) proposed full access driveway, one (1) ingress only Heavy Vehicle driveway, and one (1) egress only Heavy Vehicle driveway along the proposed extension of Hayden Avenue.

This study was performed in accordance with the scope of work requested by the City of Hanford and Caltrans, and in a manner consistent with the *2035 General Plan Policy Document*. The following transportation facilities were included in this evaluation:

Intersections:

1. 12th Avenue @ WB Highway 198 Ramps
2. 12th Avenue @ EB Highway 198 Ramps
3. 12th Avenue @ Hayden Avenue
4. 12th Avenue at Hanford Armona Road
5. Hayden Avenue @ Full Access Driveway *(plus Project conditions only)*

This local transportation assessment was conducted for the study facilities for the Existing (2025), Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project scenarios.

Significant findings of this study include:

- The project is anticipated to generate up to 4,986 Daily trips, 468 AM peak-hour trips, and 378 PM peak-hour new primary trips.
- The addition of the project to the Existing (2025) analysis scenario results in level-of-service (LOS) deficiencies at Intersection #3 (12th Avenue at Hayden Avenue) during the AM and PM peak-hours. The deficiencies can be improved to within the City's LOS D threshold with the installation of a traffic signal at Intersection #3.
- The addition of the project to the Cumulative (2045) analysis scenario results in level-of-service (LOS) deficiencies at Intersection #3 (12th Avenue at Hayden Avenue) and Intersection #5 (Hayden Avenue at Full Access Driveway) during the AM and PM peak hours. These deficiencies can be improved to within the City's LOS D threshold by the installation of a traffic signal at Intersection #3.
- Intersection #3 (12th Avenue at Hayden Avenue) satisfies Caltrans Warrant 3 (Peak-Hour) for signalization during both the AM and PM peak hours under the Existing (2025) plus Project and Cumulative (2045) plus Project analysis scenarios. It is recommended that a traffic signal be installed at Intersection #3 to address the previously identified LOS deficiencies.
- The addition of the project results in a queueing deficiency for the southbound left-turn movement at Intersection #4 (12th Avenue at Hanford Armona Road) during the PM peak-hour under Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project analysis scenarios. The queue lengths in the Existing (2025) plus Project and Cumulative (2045) plus Project scenarios can be improved by retiming the intersection's traffic signal cycle length.

- Traffic Accident Surveillance and Analysis System (TASAS) ramp collision data provided by Caltrans reveals that the northbound Highway 198 Eastbound on-ramp from 12th Avenue and the Highway 198 Westbound off-ramp to 12th Avenue both exhibit actual facility collision rates higher than the statewide average for comparable facilities. The project is not expected to significantly alter the prevailing conditions.
- Transportation Injury Mapping System (TIMS) intersection collision data does not reveal instances of actual collision rates higher than the statewide average for comparable facilities for the study intersections included in this report. The project is not expected to significantly alter the prevailing conditions. Project improvements to Intersection #3 (12th Avenue at Hayden Road) are expected to improve safety for all roadway users.
- A qualitative CEQA/SB 743 assessment concludes that the project is not anticipated to result in a significant impact.

TABLE OF CONTENTS

INTRODUCTION 1
PROJECT DESCRIPTION 1
PROJECT AREA ROADWAYS 1
ASSESSMENT OF PROPOSED PROJECT 4
Proposed Project Trip Generation and Assignment 4
TRANSPORTATION STUDY METHODOLOGY 7
Level of Service Definitions 7
Intersection Analysis 7
Analysis Scenarios 7
EXISTING (2025) CONDITIONS 8
EXISTING (2025) PLUS PROJECT CONDITIONS 10
CUMULATIVE (2045) CONDITIONS 13
CUMULATIVE (2045) PLUS PROJECT CONDITIONS 15
OTHER CONSIDERATIONS 17
Peak-Hour Traffic Signal Warrant Evaluation 17
Intersection Queuing Evaluation 17
Collision Data Review 19
DEFICIENCIES AND IMPROVEMENTS 20
Standards of Deficiency 20
Summary of Deficiencies and Improvements 20
CEQA/SB 743 ASSESSMENT 22
Methodology and Purpose of Analysis 22
Analysis 23
CONCLUSIONS 25

APPENDICES

ITE Land Use Code (945) Hourly Distribution ..... Appendix A
Traffic Count Data Sheets ..... Appendix B
Analysis Worksheets for Existing (2025) ..... Appendix C
Analysis Worksheets for Existing (2025) plus Project ..... Appendix D
Analysis Worksheets for Cumulative (2045) ..... Appendix E
Analysis Worksheets for Cumulative (2045) plus Project ..... Appendix G
CAMUTCD Peak-Hour Signal Warrants ..... Appendix G
Crash Data Reports ..... Appendix H
Analysis Worksheets for Improvements plus Project ..... Appendix I

LIST OF TABLES

Table 1 – Proposed Project Trip Generation 4
Table 2 – Intersection Level of Service Criteria 7
Table 3 – Existing (2025) Intersection Levels of Service 8
Table 4 – Existing (2025) plus Project Intersection Levels of Service 10
Table 5 – Cumulative (2045) Intersection Levels of Service 13
Table 6 – Cumulative (2045) plus Project Intersection Levels of Service 15
Table 7 – Traffic Signal Warrant 3 (Peak-Hour) Analysis Results 17
Table 8 – Intersection Queuing Evaluation Results 18
Table 9 – TASAS Five-Year Ramp Collision Summary (2019-2024) 19
Table 10 – TIMS Five-Year Intersection Collision Summary (2020-2024) 19
Table 11 – Existing (2025) plus Project Improved Conditions Intersection Levels of Service 21
Table 12 – Cumulative (2045) plus Project Improved Conditions Intersection Levels of Service 21

LIST OF FIGURES

Figure 1 – Project Vicinity Map 2
Figure 2 – Preliminary Site Plan 3
Figure 3 – Project Trip Distribution 5
Figure 4 – Project Trip Assignment 6
Figure 5 – Existing (2025) Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry 9
Figure 6 – Existing (2025) plus Project Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry 11
Figure 7 – Cumulative (2045) Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry 14
Figure 8 – Cumulative (2045) plus Project Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry 16
Figure 9 – Five-Year (2020-2024) Study Intersections Collision Summary 20
Figure 10 – Illustration of the VMT Reducing Effect of Local-Serving Retail 24

INTRODUCTION

This report documents the results of a local transportation assessment (LTA) and a CEQA/SB 743 assessment completed for the Maverik Hanford project (the "proposed project", or "project"). The LTA informs the reader regarding the project's anticipated operational effects on the local transportation network. The CEQA/SB 743 assessment informs the reader regarding the project's anticipated environmental effects regarding transportation (specifically Vehicle Miles Traveled (VMT)). The LTA was performed in a manner consistent with the City's *2035 General Plan Policy Document*[1].

PROJECT DESCRIPTION

The project proposes a Maverik Gas Station to be located along 12th Avenue at its intersection with Hayden Avenue, near the 12th Avenue interchange with Highway 198 (SR-198) in the City of Hanford, California (the "City"). The proposed Maverik Gas Station will provide 16 passenger car/non-truck fueling positions, 6 truck/heavy vehicle fueling positions, and a 5,982 square foot (SF) convenience store. Access to the project site will be provided via one (1) proposed full access driveway, one (1) ingress only Heavy Vehicle driveway, and one (1) egress only Heavy Vehicle driveway along the proposed extension of Hayden Avenue. The project location is shown in **Figure 1** and the project site plan is shown in **Figure 2**. The following transportation facilities are included in this evaluation:

Intersections:

1. 12th Avenue at Highway 198 WB Ramps
2. 12th Avenue at Highway 198 EB Ramps
3. 12th Avenue at Hayden Avenue
4. 12th Avenue at Hanford Armona Road
5. *Hayden Avenue at Full Access Driveway (plus project only)*

This transportation impact study (TIS) was conducted for the selected study facilities for the Existing (2025), Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project scenarios.

PROJECT AREA ROADWAYS

The following are descriptions of the primary roadways in the vicinity of the project:

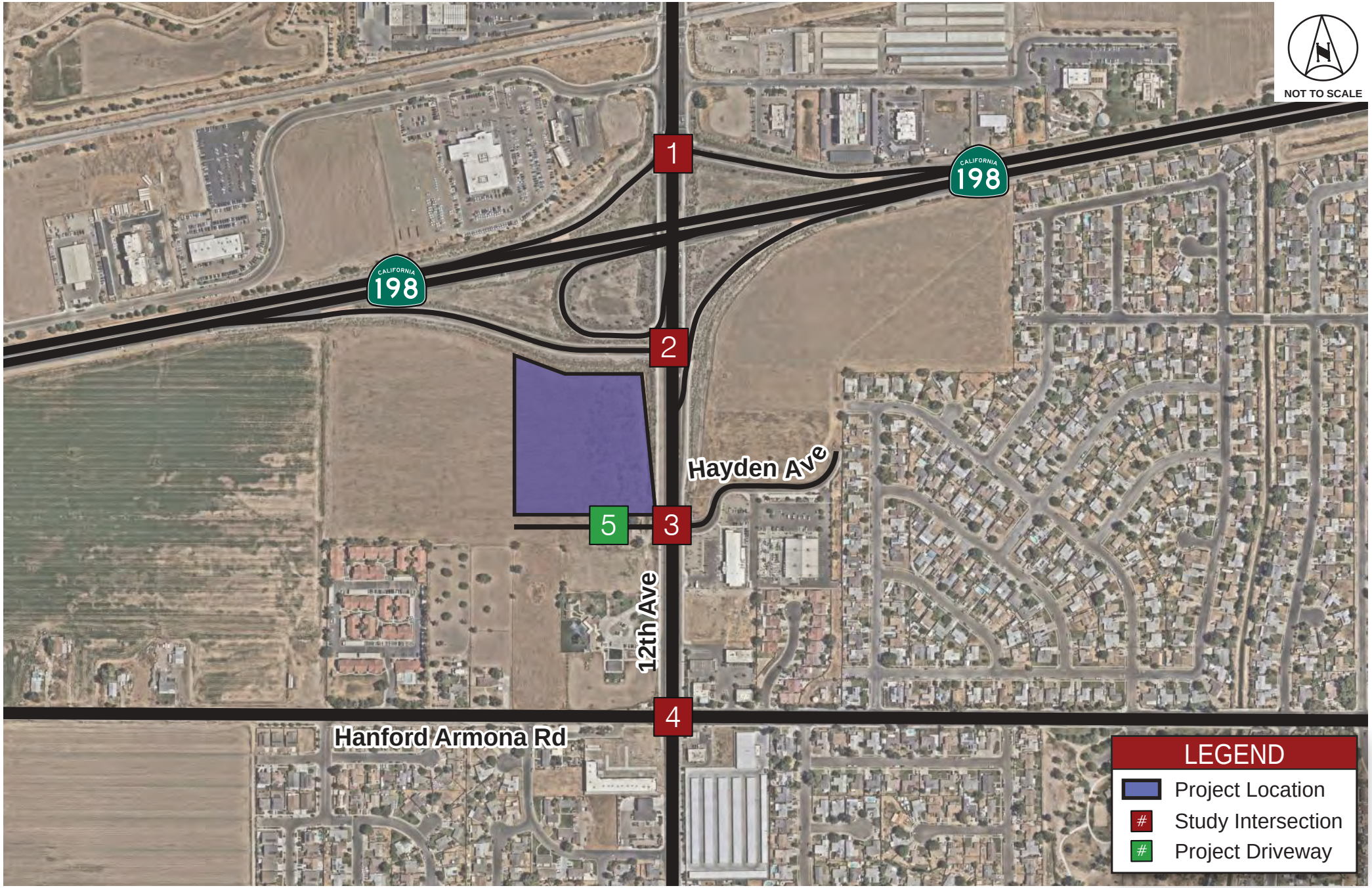
Highway 198 (SR-198) is an east-west state freeway that connects U.S. Route 101 (US 101) south of King City to Sequoia National Park. SR-198 passes through the City of Hanford with interchanges located at Highway 43 (SR-43), 10th Avenue, 11th Avenue, 12th Avenue and 13th Avenue.

12th Avenue is a north-south Arterial Street within the city limits extending from Houston Avenue in the south to Flint Avenue in the north. The posted speed limit along 12th Avenue within the vicinity of the project is 40 miles per hour (MPH).

Hanford Armona Road is an east-west Arterial Street within the city limits extending from 13th Avenue in the west to 10th Avenue in the east. The posted speed limit along Hanford Armona Road within the vicinity of the project is 40 MPH.

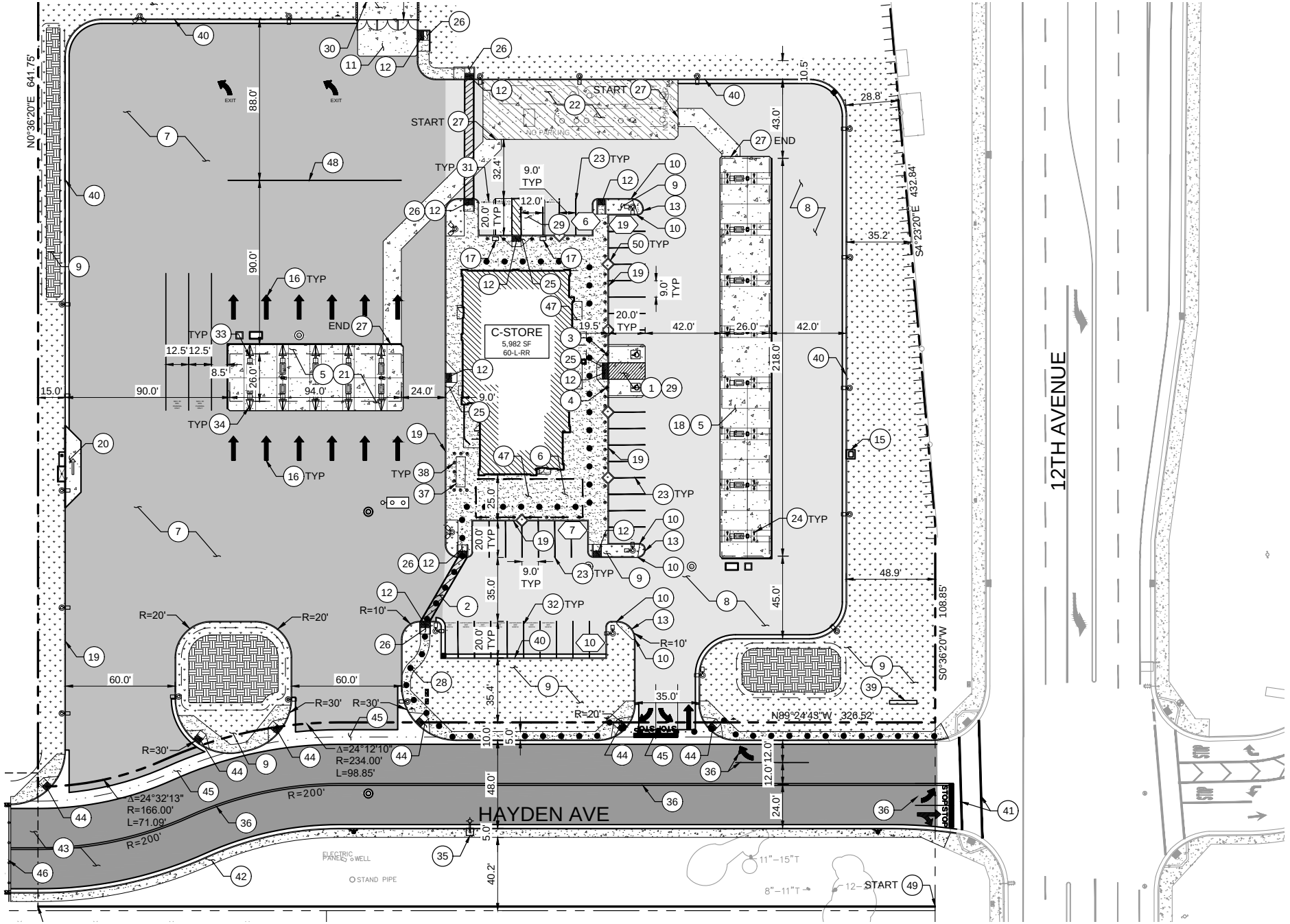
Hayden Avenue is a partially constructed east-west local road that intersects 12th Avenue between Hanford Armona Road and SR-198. The existing eastern leg of Hayden Avenue serves existing businesses on the east side of 12th Avenue and terminates in a dead end. The proposed western leg of Hayden Avenue is anticipated to serve both the project and future commercial development.

[1] *2035 General Plan Policy Document*, City of Hanford, adopted April 24, 2017.



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Figure 1
Project Vicinity Map



Site Plan Source: Kimley-Horn 05/19/2025

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Figure 2
Preliminary Site Plan

ASSESSMENT OF PROPOSED PROJECT

Proposed Project Trip Generation and Assignment

The number of trips anticipated to be generated by the proposed project was approximated using data included in the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition*. The hourly distribution of Daily Trips is included in Appendix A. A pass-by trip reduction of 15-percent was applied to both the AM and PM peak-hour trips to provide a conservative assessment of the project, consistent with guidance historically provided by Caltrans[2]. Pass-by trips are those trips accessing the project that are already present on the roadway network adjacent to the project site and are therefore not included in the project's net new primary trips.

While the ITE *Trip Generation Manual, 11th Edition* provides data for project-generated vehicles (including heavy vehicles/trucks), additional transaction data was obtained from Maverik for similar projects to generate more accurate rates of daily heavy vehicle trips per heavy vehicle fuel pump. As shown in Table 1, the proposed project is anticipated to generate 4,986 new Daily trips, 468 new AM peak-hour trips, and 378 new PM peak-hour trips. The project is also anticipated to attract 76 and 65 Pass-by trips during the AM and PM peak-hours, respectively.

Table 1 – Proposed Project Trip Generation

Land Use (ITE Code)	Size	Daily Trips	Weekday AM Peak-Hour					Weekday PM Peak-Hour				
			Total Trips	In		Out		Total Trips	In		Out	
				%	Trips	%	Trips		%	Trips	%	Trips
Convenience Store/Gas Station - GFA (5.5-10k) (945)[1]	16 VFP	5,532	506	50%	253	50%	253	430	50%	215	50%	215
Heavy Vehicle Trips[2]	6 VFP	284	38	50%	19	50%	19	13	50%	7	50%	6
Subtotal (Driveway) Trips:		**5,816**	**544**		**272**		**272**	**443**		**222**		**221**
Pass-by Trips (15% cap per Caltrans)[3]		-830	-76		-38		-38	-65		-32		-32
Net New (Primary) Trips:		**4,986**	**468**		**234**		**234**	**378**		**190**		**189**

VFP = Vehicle Fueling Positions

[1] *ITE Trip Generation Manual, 11th Edition*

[2] *Maverik Fuel Transaction Data, September 2021*

[3] *Guide for the Preparation of Traffic Impact Studies, Caltrans, December 2002*

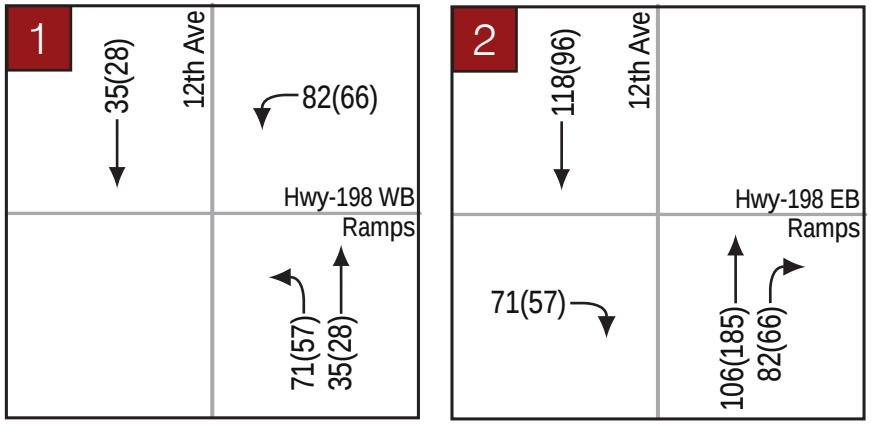
Project traffic was distributed and assigned to the roadway network based on the anticipated project site operations, project area roadway volumes, and engineering judgement. Project trip distribution percentages are provided in Figure 3. The associated assignment of AM and PM peak hour project trips is depicted in Figure 4.

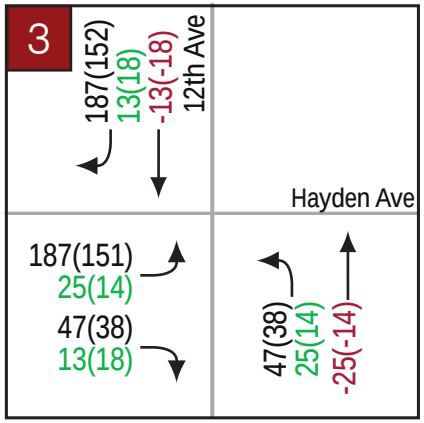
[2] *Guide for the Preparation of Traffic Impact Studies*, Caltrans, December 2002.

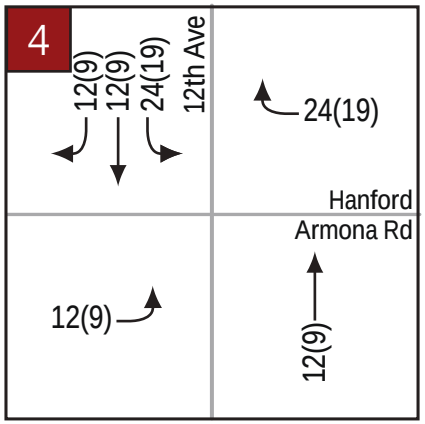


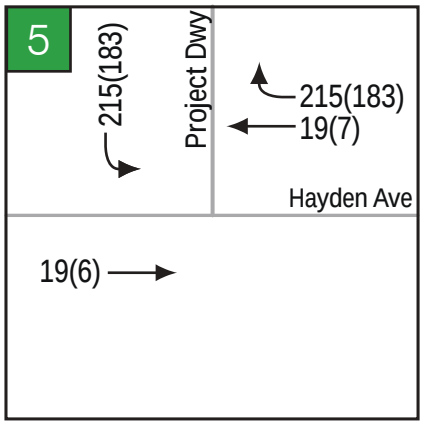
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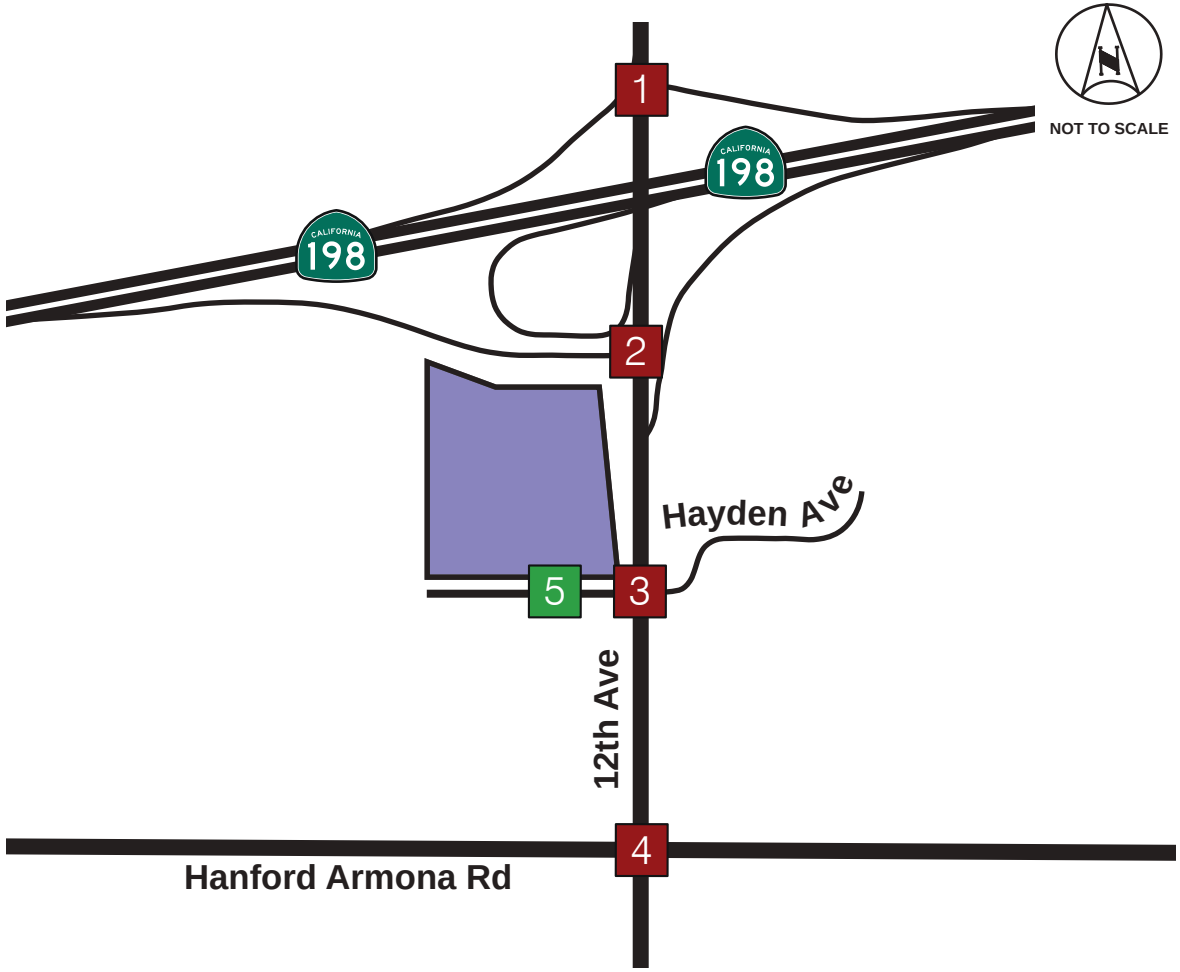
Figure 3
Project Trip Distribution











LEGEND

- Project Location
- # Study Intersection
- # Project Driveway
- XX(YY) AM(PM) Project Trips
- XX(YY) -XX(-YY) AM(PM) Pass-By Trips

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Figure 4
Project Trip Assignment

TRANSPORTATION STUDY METHODOLOGY

This transportation study was performed in accordance with the City's *2035 General Plan Policy Document*[1].

Level of Service Definitions

The level of service (LOS) of a facility is a qualitative measure used to describe operational conditions. LOS ranges from A, which represents minimal delay, to F, which represents heavy delay and a facility that is operating at or near its functional capacity. LOS for this study was determined using methods defined in the *Highway Capacity Manual (HCM), 7th Edition* ("HCM7").

Intersection Analysis

The HCM includes procedures for analyzing side-street stop controlled (SSSC), all-way stop controlled (AWSC), and signalized intersections. The SSSC procedure defines LOS as a function of average control delay for each minor street approach movement. The AWSC and signalized intersection procedures define LOS as a function of average control delay for the intersection. Table 2 presents intersection LOS definitions as defined in the HCM.

Table 2 – Intersection Level of Service Criteria

Level of Service (LOS)	Un-Signalized	Signalized
	Average Control Delay* (sec/veh)	Average Control Delay (sec/veh)
A	≤ 10	≤ 10
B	> 10 – 15	> 10 – 20
C	> 15 – 25	> 20 – 35
D	> 25 – 35	> 35 – 55
E	> 35 – 50	> 55 – 80
F	> 50	> 80

Source: Highway Capacity Manual, 7th Edition

* Applied to the worst lane/lane group(s) for SSSC

LOS for the study intersections presented throughout this report was determined using microsimulation (SimTraffic® traffic analysis software). Microsimulation was used due to the spacing between study intersections. The results were subsequently compared against the HCM7 methodology thresholds to analyze intersection delay and LOS. The City's *2035 General Plan Policy Document*[1] establishes that the LOS threshold for the study intersections included in this analysis is LOS D or better.

Analysis Scenarios

As described in the following sections, the LOS analysis was conducted for the study intersections for the following scenarios: Existing (2025), Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project.

EXISTING (2025) CONDITIONS

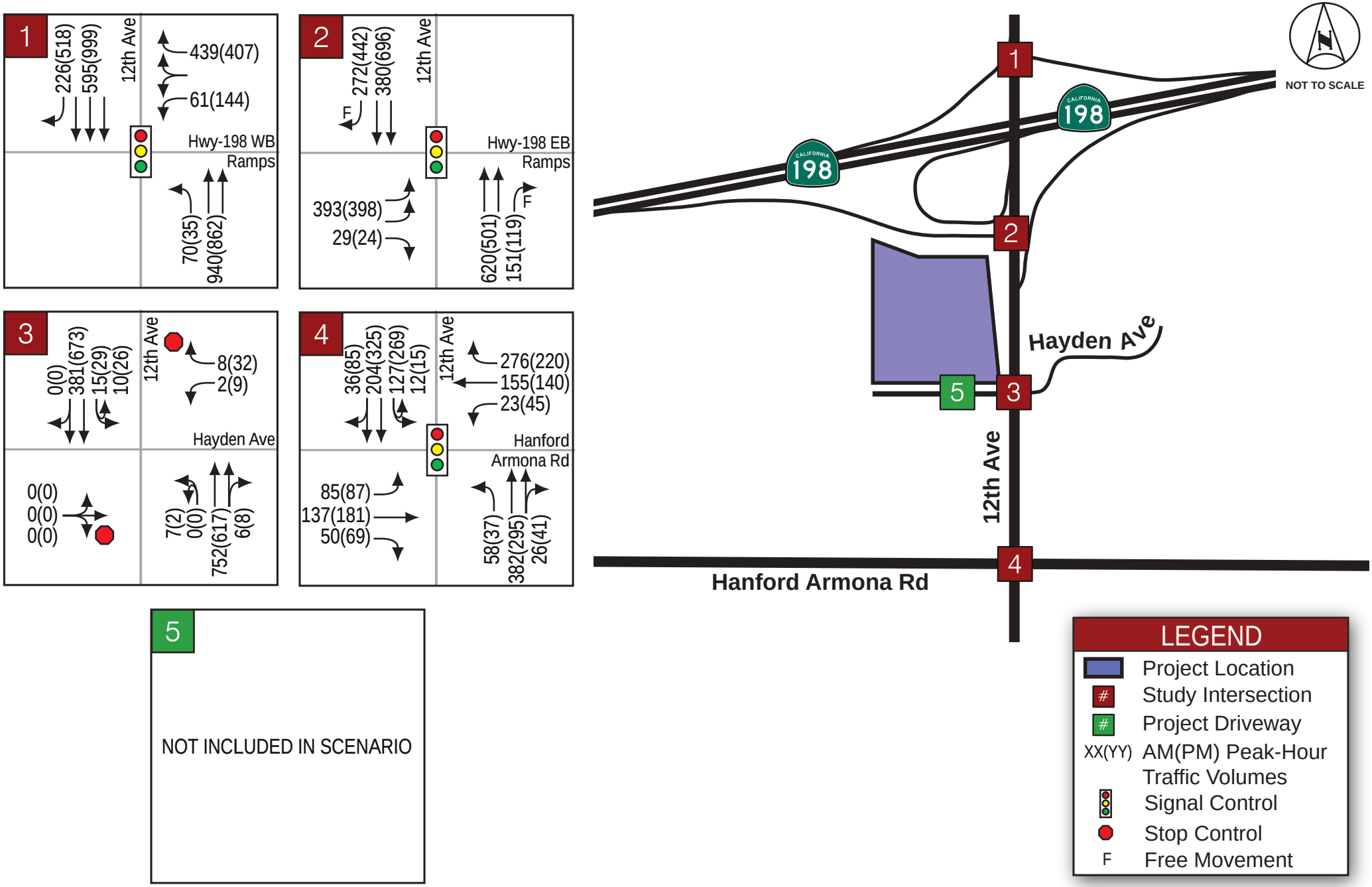
Existing traffic counts were collected to establish the existing conditions of the study area intersections. Turning movement counts for the study intersections were collected on Thursday, February 6, 2025, between 7-9 AM and 4-6 PM. The traffic count data sheets are provided in Appendix B. Existing (2025) AM and PM peak-hour traffic volumes, traffic control, and lane geometry are presented in Figure 5. Analysis worksheets for the Existing (2025) scenario are included in Appendix C.

Table 3 presents the intersection operating conditions for the Existing (2025) scenario. As indicated in Table 3, the study intersections operate between LOS A and LOS C.

Table 3 – Existing (2025) Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Existing (2025)	
					Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	19.6	B
		PM			16.2	B
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	9.1	A
		PM			9.1	A
3	12th Ave at Hayden Ave	AM	D	SSSC	2.1(16.7 WBL)	A(C)
		PM			2.4(17.0 WBL)	A(C)
4	12th Ave at Hanford Armona Rd	AM	D	Signal	15.7	B
		PM			17.9	B
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-
		PM			-	-

Notes: **Bold** represents deficient operations.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.



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Figure 5

Existing (2025) Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry

EXISTING (2025) PLUS PROJECT CONDITIONS

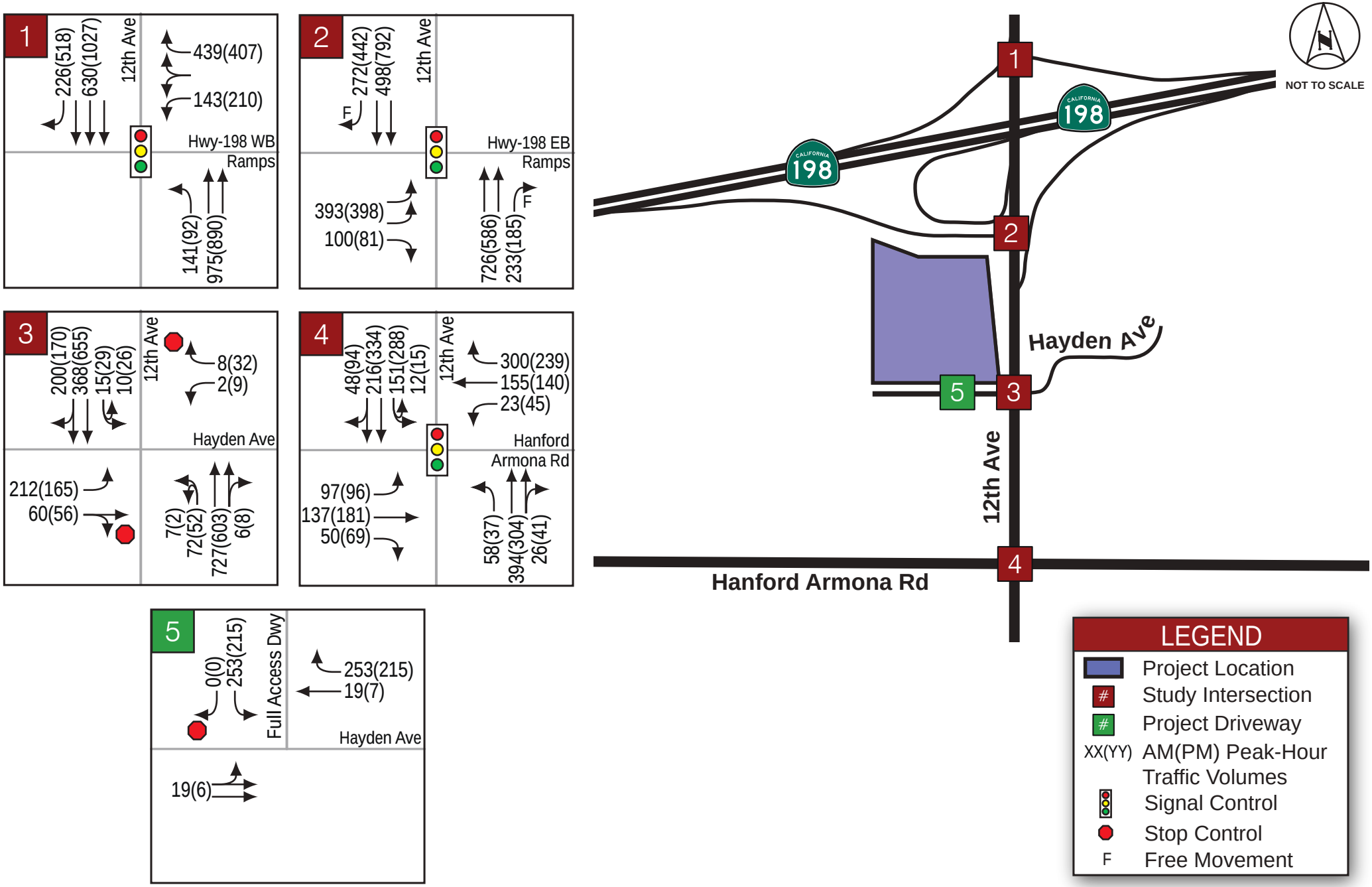
The number of trips anticipated to be generated by the proposed project was derived using data included in the *ITE Trip Generation Manual, 11th Edition* and additional data obtained from Maverik for similar projects. These trips were then assigned to the roadway network based on anticipated project site operations, project area roadway volumes, and engineering judgement. After assigning the project volumes in addition to the previously established Existing (2025) baseline condition, the LOS was determined at the study intersections. Existing (2025) plus Project peak-hour traffic volumes, traffic control, and lane geometry are presented in Figure 6. Analysis worksheets for the Existing (2025) plus Project scenario are included in Appendix D.

Table 4 presents the intersection operating conditions for this analysis scenario. As indicated in Table 4, the study intersections operate between LOS A and LOS F.

Table 4 – Existing (2025) plus Project Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Existing (2025)		Existing (2025) plus Project	
					Delay (sec)	LOS	Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	19.6	B	22.0	C
		PM			16.2	B	20.1	C
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	9.1	A	9.8	A
		PM			9.1	A	9.3	A
3	12th Ave at Hayden Ave	AM	D	SSSC	2.1(16.7 WBL)	A(C)	**9.1(52.4 EBL)**	**A(F)**
		PM			2.4(17.0 WBL)	A(C)	**8.3(54.1 EBL)**	**A(F)**
4	12th Ave at Hanford Armona Rd	AM	D	Signal	15.7	B	17.4	B
		PM			17.9	B	19.3	B
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	9.2(19.5 SBL)	A(C)
		PM			-	-	7.8(15.3 SBL)	A(C)

Notes: **Bold** represents deficient operations. Shaded represents a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.



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Figure 6

Existing (2025) plus Project Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry

CUMULATIVE (2045) CONDITIONS

Cumulative (2045) traffic volumes were established using existing traffic counts and outputs from the Kings County Association of Governments (KCAG) Travel Demand Model (TDM)[3]. Volumes from TDM links and nodes for the Base Year (2024) and Future Year (2046) scenarios were used to develop annual growth rates at study intersection turning movements. These rates were subsequently used to "grow" the Existing (2025) counts and establish the Cumulative (2045) baseline condition. Cumulative (2045) AM and PM peak-hour traffic volumes, traffic control, and lane geometry are presented in Figure 7. Analysis worksheets for the Cumulative (2045) scenario are included in Appendix E.

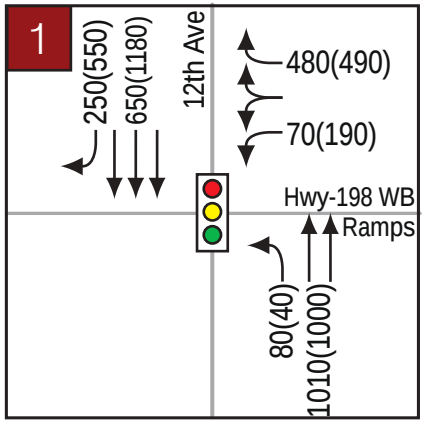
Table 5 presents the intersection operating conditions for the Cumulative (2045) scenario. As indicated in Table 5, the study intersections operate from LOS A to LOS C.

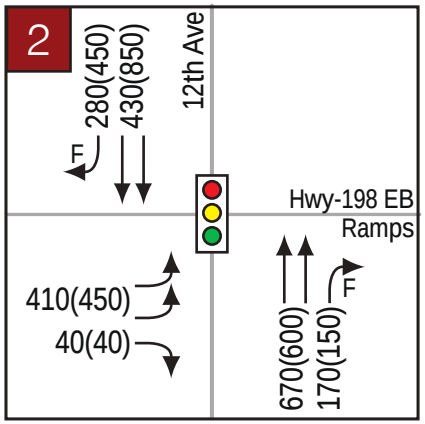
Table 5 – Cumulative (2045) Intersection Levels of Service

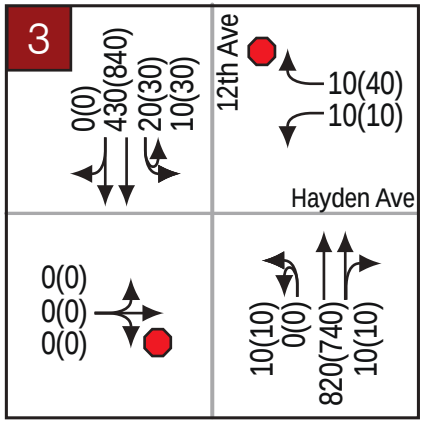
ID	Intersection	Peak Hour	LOS Threshold	Control	Cumulative (2045)	
					Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	17.5	B
		PM			18.8	B
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	11.7	B
		PM			11.0	B
3	12th Ave at Hayden Ave	AM	D	SSSC	2.2(15.6 WBL)	A(C)
		PM			2.4(16.1 WBL)	A(C)
4	12th Ave at Hanford Armona Rd	AM	D	Signal	17.6	B
		PM			24.4	C
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-
		PM			-	-

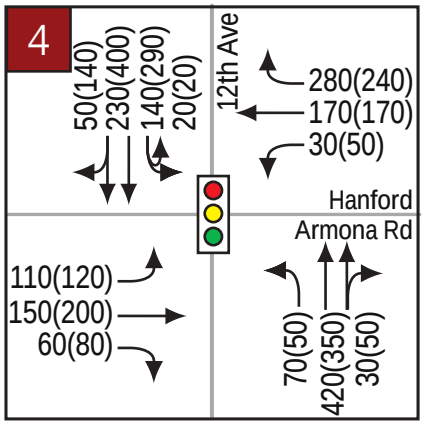
Notes: **Bold** represents deficient operations.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.

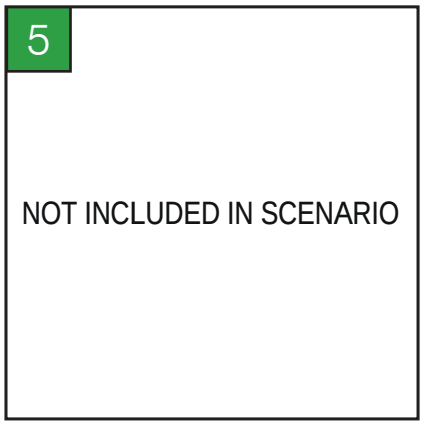
[3] Email correspondence with Terri King (KCAG) and Mike Aaronson (Kittelson & Associates, Inc.), April 10, 2025.

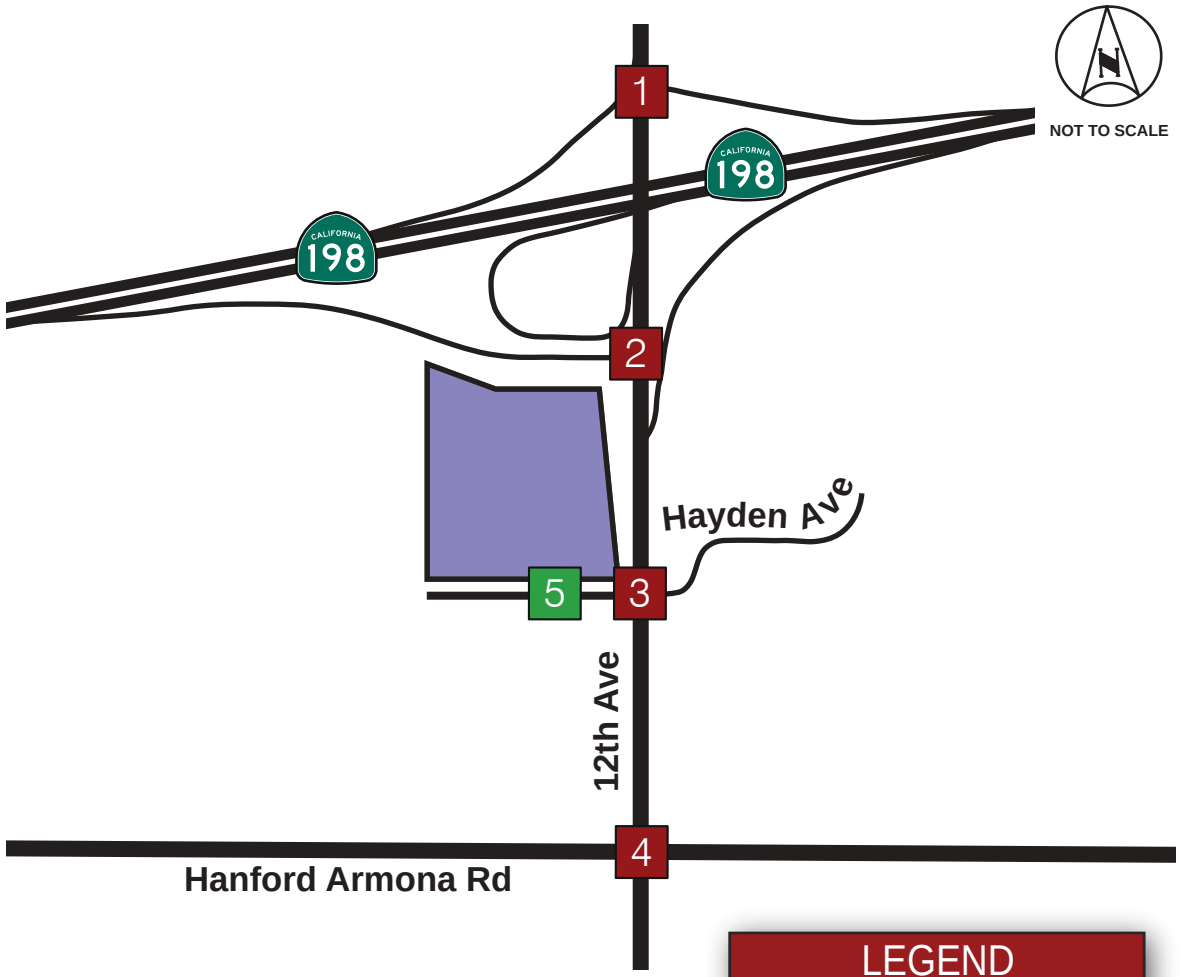


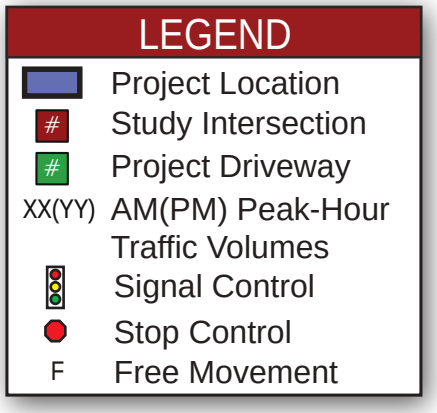












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Figure 7

Cumulative (2045) Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry

CUMULATIVE (2045) PLUS PROJECT CONDITIONS

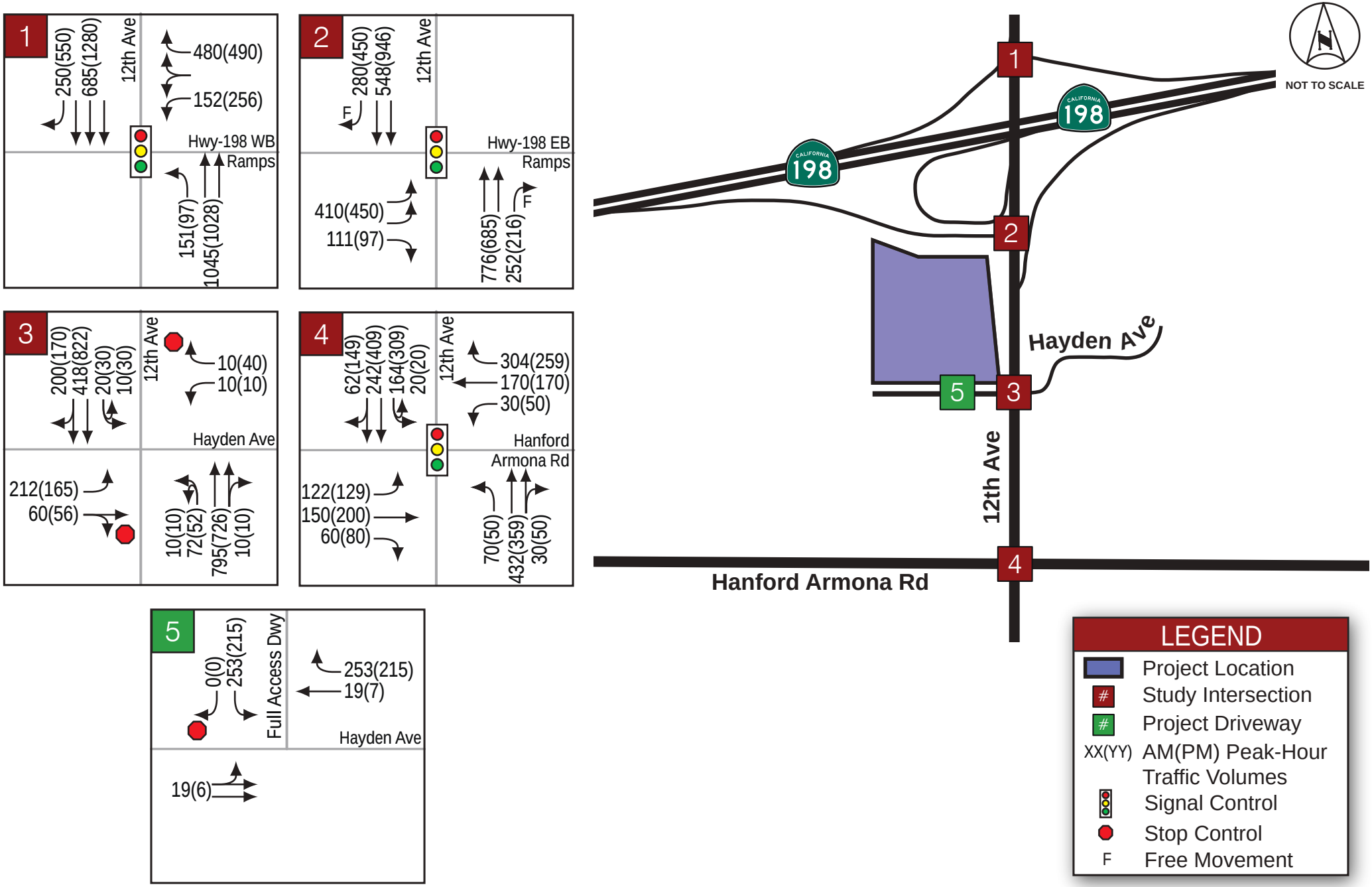
The number of trips anticipated to be generated by the proposed project was derived using data included in the *ITE Trip Generation Manual, 11th Edition*. These trips were then assigned to the roadway network based on the project site operations, project area roadway volumes, and engineering judgement. The project volumes were added to the previously established Cumulative (2045) baseline condition to determine the LOS at the study intersections. Cumulative (2045) plus Project peak-hour traffic volumes, traffic control, and lane geometry are presented in Figure 8. Analysis worksheets for the Cumulative (2045) plus Project scenario are included in Appendix F.

Table 6 presents the intersection operating conditions for the Cumulative (2045) plus Project analysis scenario. As indicated in Table 6, the study intersections operate from LOS B to LOS F.

Table 6 – Cumulative (2045) plus Project Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Cumulative (2045)		Cumulative (2045) plus Project	
					Delay (sec)	LOS	Delay (sec)	LOS
1	12th Ave at Hwy 198 WB Ramps	AM	D	Signal	17.5	B	20.1	C
		PM			18.8	B	21.0	C
2	12th Ave at Hwy 198 EB Ramps	AM	D	Signal	11.7	B	11.9	B
		PM			11.0	B	11.0	B
3	12th Ave at Hayden Ave	AM	D	SSSC	2.2(15.6 WBL)	A(C)	**11.7(77.7 EBL)**	**B(F)**
		PM			2.4(16.1 WBL)	A(C)	**12.6(116.0 EBL)**	**B(F)**
4	12th Ave at Hanford Armona Rd	AM	D	Signal	17.6	B	19.1	B
		PM			24.4	C	31.6	C
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	**30.5(65.4 SBL)**	**D(F)**
		PM			-	-	**36.3(75.8 SBL)**	**E(F)**

Notes: **Bold** represents deficient operations. Shaded represents a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.



Kimley»Horn

Figure 8

Cumulative (2045) plus Project Peak-Hour Traffic Volumes, Traffic Control, and Lane Geometry

OTHER CONSIDERATIONS

Peak-Hour Traffic Signal Warrant Evaluation

A planning level assessment of the need for traffic signalization was performed for the unsignalized Intersection #3 (12th Avenue at Hayden Avenue). This evaluation was performed in a manner consistent with the peak-hour warrant methodologies noted in Section 4C of the *California Manual on Uniform Traffic Control Devices* (CAMUTCD)[4]. A summary of the Warrant 3 (Peak-Hour) results is presented in Table 7.

Table 7 – Traffic Signal Warrant 3 (Peak-Hour) Analysis Results

ID	Intersection	Analysis Scenario			
		Existing (2025)	Existing (2025) plus Project	Cumulative (2045)	Cumulative (2045) plus Project
3	12th Ave at Hayden Ave	No/No	Yes/Yes	No/No	Yes/Yes
Results are presented in **AM / PM format**, locations where a signal is warranted during a peak hour are shaded. Note: Peak-hour warrant is satisfied if Condition A or B is satisfied					

As shown in Table 7, the peak-hour signal warrant is satisfied under Existing (2025) plus Project and Cumulative (2045) plus Project scenarios at Intersection #3 (12th Avenue at Hayden Avenue). Analysis worksheets are presented in Appendix G. The CAMUTCD[4] states:

> *"The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal."*

Intersection Queuing Evaluation

A queuing study was conducted to evaluate the capacity of the existing turn lanes at the study intersections. SimTraffic® reports were used to conduct the queuing analysis. The 95th percentile vehicle queues were compared against the existing vehicle storage lengths for select intersection movements. The evaluation was performed to determine if the queues exceed their available storage. Results of the queuing evaluation are presented in Table 8. Analysis sheets that include the anticipated vehicle queues for each study scenario presented in this report are included in Appendix C, Appendix D, Appendix E, and Appendix F.

As presented in Table 8, the addition of the proposed project generally contributes nominal amounts of additional queuing. Shaded cells in the table represent conditions where the reported queueing exceeds available vehicle storage capacity by more than one vehicle length (25-feet). The addition of the proposed project results in the following:

- The southbound left-turn queue at Intersection #4 (12th Avenue at Hanford Armona Road) will exceed the available storage capacity during the PM peak hour under Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project scenarios. The Existing (2025) plus Project queue can be contained within the available storage by retiming the intersection traffic signal cycle length. The Cumulative (2045) plus Project queue can be improved relative to the baseline Cumulative (2045) condition by retiming the intersection traffic signal cycle length.
- All other reported queues are shown to be contained within their existing available storage lengths.

[4]*Section 4C, California Manual on Uniform Traffic Control Devices (CAMUTCD) 2014 Edition Revision 8*, Caltrans, January 11, 2024.

Table 8 – Intersection Queuing Evaluation Results

Intersection / Analysis Scenario	Movement	Available Storage (ft)	AM Peak-Hour 95th % Queue (ft)	PM Peak-Hour 95th % Queue (ft)
#1, 12th Ave at Hwy 198 WB Ramps	**WBL**			
Existing (2025)		270	75	105
Existing (2025) plus Project			140	150
Cumulative (2045)			75	125
Cumulative (2045) plus Project			135	175
	NBL			
Existing (2025)		400	110	65
Existing (2025) plus Project			180	135
Cumulative (2045)			110	75
Cumulative (2045) plus Project			185	140
#2, 12th Ave at Hwy 198 EB Ramps	**EBR**			
Existing (2025)		865	55	40
Existing (2025) plus Project			110	85
Cumulative (2045)			70	65
Cumulative (2045) plus Project			145	110
#3, 12th Ave at Hayden Ave	**NBL**			
Existing (2025)		215	25	25
Existing (2025) plus Project			65	55
Cumulative (2045)			20	20
Cumulative (2045) plus Project			70	65
#4, 12th Ave at Hanford Armona Rd	**WBR**			
Existing (2025)		105	110	95
Existing (2025) plus Project			125	95
Cumulative (2045)			115	95
Cumulative (2045) plus Project			125	105
	EBL			
Existing (2025)		150	90	90
Existing (2025) plus Project			100	95
Cumulative (2045)			105	130
Cumulative (2045) plus Project			130	140
	SBL			
Existing (2025)		210	135	220
Existing (2025) plus Project			145	235
Existing (2025) plus Project (Improved)			-	225
Cumulative (2045)			160	305
Cumulative (2045) plus Project			170	355
Cumulative (2045) plus Project (Improved)			-	275

Notes: For approaches with dual left-turn lanes, the longest queue length is reported.
Shaded cell indicates queue exceeds available storage by > 25' (one vehicle length)

Collision Data Review

Traffic Accident Surveillance and Analysis System (TASAS) ramp collision data[5] provided by Caltrans-District 6 was evaluated for Intersection #1 (12th Avenue at Highway 198 WB Ramps) and Intersection #2 (12th Avenue at Highway 198 EB Ramps) as those study intersections include Caltrans facilities. Supplemental collision data[6] was evaluated for the study intersections. All collision data collected as part of this study was compared against available Caltrans data[7] for similar intersections. All collision data utilized in this evaluation is provided in Appendix H.

The TASAS ramp collision data rates for each SR-198 ramp at the 12th Avenue interchange are summarized relative to the statewide average for similar facilities in Table 9. Table 9 shows that two (2) ramps exhibit Actual collision rates higher than the Average for similar facilities. The data shows that Rear End collisions account for over 70% of all reported crashes within the evaluated five-year data set. 75% of the reported Rear End collisions occurred on the SR-198 Westbound off-ramp to 12th Avenue (part of Intersection #1).

Table 9 – TASAS Five-Year Ramp Collision Summary (2019-2024)

ID	Facility	Statewide Average Collision Rate	Facility Actual Collision Rate
1	12th Ave at Highway 198 EB Off Ramp	1.04	0.87
2	12th Ave at Highway 198 WB On Ramp	0.63	0.40
3	SB 12th Ave at Highway 198 EB On Ramp	0.77	0.13
4	NB 12th Ave at Highway 198 EB On Ramp	0.70	2.28
5	12th Ave at Highway 198 WB Off Ramp	1.04	2.48

Shaded cell represents facility crash rate higher than the statewide average

Supplemental collision data from the Transportation Injury Mapping System (TIMS) for the study intersections is summarized relative to the statewide average for similar facilities in Table 10. Table 10 shows that no intersections exhibit collision rates higher than the statewide average for similar facilities.

Table 10 – TIMS Five-Year Intersection Collision Summary (2020-2024)

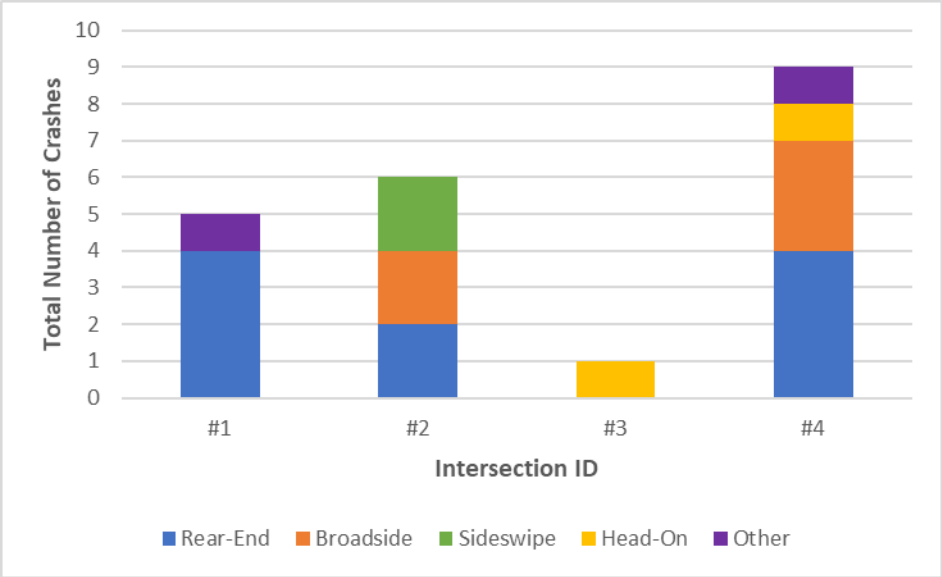
ID	Facility	Statewide Average Collision Rate	Facility Actual Collision Rate
1	12th Avenue at Highway 198 WB Ramps	0.55	0.09
2	12th Avenue at Highway 198 EB Ramps	0.55	0.15
3	12th Avenue at Hayden Avenue	0.36	0.04
4	12th Avenue at Hanford Armona Road	0.55	0.27

Shaded cell represents facility crash rate higher than the statewide average

The number and types of crashes at each study intersection are presented in Figure 9. The predominant crash types identified at the study intersections were Rear End and Broadside collisions. It is recommended that the City and Caltrans continue to monitor the number, type, and severity of crashes.

[5] *TASAS Collision Data Summary (7/1/2019-6/30/2024)*, Caltrans, April 16, 2025.
[6] *2020-2024 Crash Data - Transportation Injury Mapping System (TIMS),* Safe Transportation Research and Education Center, University of California, Berkeley, 2025.
[7] *2022 Crash Data on California State Highways*, Caltrans.

Figure 9 – Five-Year (2020-2024) Study Intersections Collision Summary



DEFICIENCIES AND IMPROVEMENTS

Standards of Deficiency

The City's *2035 General Plan Policy Document*[1] was referenced to identify deficiencies at the study area intersections. The following criteria was used:

> "*Policy T29 Maximum Level of Service*
>
> *Maintain a peak hour Level of Service E on streets and intersections within the area bounded by Highway 198, 10th Avenue, 11th Avenue, and Florinda Avenue, inclusive of these streets. Maintain a peak hour Level of Service D on all other streets and intersections with the Planned Growth Boundary*."

A peak-hour Level of Service D was used as the comparison threshold for the project study facilities.

Summary of Deficiencies and Improvements

Existing (2025) plus Project Conditions

As reflected in Table 4, one (1) intersection operates beyond the City of Hanford's identified LOS threshold. The addition of the project results in one (1) project induced deficiency as defined by the City of Hanford. The following is a discussion of each identified deficiency and its associated improvements. Analysis worksheets are provided in Appendix I.

Deficiencies:

D1. Intersection #3, 12th Avenue at Hayden Avenue
As shown in Table 4, Intersection #3 operates at LOS F during both the AM and PM peak hours with the addition of the project.

Improvements:

I1. Intersection #3, 12th Avenue at Hayden Avenue
It is recommended that a traffic signal be installed at Intersection #3 to address the identified deficiencies. As shown in Table 11, this improvement results in the intersection operating at LOS B with the addition of the project during both the AM and PM peak hours, respectively.

Table 11 – Existing (2025) plus Project Improved Conditions Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Existing (2025)		Existing (2025) plus Project		Existing (2025) plus Project (Improved)	
					Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS
3	12th Ave at Hayden Ave	AM	D	Signal	2.1(16.7 WBL)	A(C)	**9.1(52.4 EBL)**	**A(F)**	10.0	B
		PM			2.4(17.0 WBL)	A(C)	**8.3(54.1 EBL)**	**A(F)**	10.9	B

Notes: **Bold** represents deficient operations. Shaded represents a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.

Cumulative (2045) plus Project Conditions

As reflected in Table 6, two (2) intersections operate beyond the City of Hanford's identified LOS threshold. The addition of the project results in two (2) project induced deficiencies as defined by the City of Hanford. The following is a discussion of each deficiency and its associated improvements. Analysis worksheets are provided in Appendix I.

Deficiencies:

D2. Intersection #3, 12th Avenue at Hayden Avenue

As shown in Table 6, Intersection #3 operates at LOS F during the AM and PM peak hours with the addition of the project.

D3. Intersection #5, Hayden Avenue at Full Access Driveway

As shown in Table 6, Intersection #5 operates at LOS F during the AM and PM peak hours with the addition of the project.

Improvements:

I2. Intersection #3, 12th Avenue at Hayden Avenue

Consistent with Improvement 1, it is recommended that a traffic signal be installed at Intersection #3 to address the identified deficiency. As shown in Table 12, this improvement results in the intersection operating at LOS B with the addition of the project during the AM and PM peak-hours.

I3. Intersection #5, Hayden Avenue at Full Access Driveway

Review of the SimTraffic® results shows that the southbound left turn delay at Intersection #5 is predominantly caused by eastbound left-turning vehicles at Intersection #3. As the eastbound left-turn queue builds up at the side-street stop control, those vehicles block available gaps for southbound left turns at Intersection #5. The previously identified Improvement 2 (installation of a traffic signal at Intersection #3) would improve operations at Intersection #5 by metering traffic flows and providing longer gaps for southbound left-turning vehicles at Intersection #5 egressing from the project. As shown in Table 12, this Improvement 2 results in Intersection #5 operating at LOS A with the addition of the project during the AM and PM peak-hours.

Table 12 – Cumulative (2045) plus Project Improved Conditions Intersection Levels of Service

ID	Intersection	Peak Hour	LOS Threshold	Control	Cumulative (2045)		Cumulative (2045) plus Project		Cumulative (2045) plus Project (Improved)	
					Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS
3	12th Ave at Hayden Ave	AM	D	Signal	2.2(15.6 WBL)	A(C)	**11.7(77.7 EBL)**	**B(F)**	10.5	B
		PM			2.4(16.1 WBL)	A(C)	**12.6(116.0 EBL)**	**B(F)**	11.2	B
5	Hayden Ave at Full Access Dwy	AM	D	SSSC	-	-	**30.5(65.4 SBL)**	**D(F)**	3.0(5.6 SBL)	A(A)
		PM			-	-	**36.3(75.8 SBL)**	**E(F)**	2.7 (4.9 SBL)	A(A)

Notes: **Bold** represents deficient operations. Shaded represents a project induced deficiency.
Side Street Stop Controlled (SSSC) reported as intersection delay followed by worst movement delay.

CEQA/SB 743 ASSESSMENT

This section documents the Vehicle Miles Traveled (VMT) analysis which was completed for the purpose of determining Senate Bill 743 (SB 743) compliance for the proposed project. With the passage of SB 743, VMT has become an important indicator for determining if new development will result in a "significant transportation impact" as defined by the California Environmental Quality Act (CEQA).

Methodology and Purpose of Analysis

Passed in 2013, SB 743 changes the focus of transportation impact analysis in CEQA from "measuring impacts to drivers" to "measuring the impact of driving". This change has been made by replacing level-of-service (LOS) with Vehicle Miles of Travel (VMT). This shift in transportation impact focus is intended to better-align transportation impact analysis and mitigation outcomes with the State's goals to reduce greenhouse gas (GHG) emissions, encourage infill development, and improve public health through more active transportation. Level of service, or other delay metrics, may still be used to evaluate the impact of projects on drivers as part of land use entitlement review and impact fee programs, and was considered for the analysis of this project (as documented earlier in this report).

In January 2019, the Natural Resources Agency finalized updates to the CEQA Guidelines including the incorporation of SB 743 modifications. The Guidelines' changes were approved by the Office of Administrative Law and are now in effect. The provisions apply statewide as of July 1, 2020.

To help aid lead agencies with SB 743 implementation, the Governor's Office of Planning and Research (OPR) produced the Technical Advisory on Evaluating Transportation Impacts in CEQA[8] (December 2018) that provides guidance regarding the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project's transportation impact.
- OPR recommends tour- and trip-based travel models to estimate VMT, but ultimately defers to local agencies to determine the appropriate tools.
- OPR recommends measuring VMT for residential and office projects on a "per rate" basis.
- OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold. In other words, an office project that generates VMT per employee that is more than 85 percent of the regional VMT per employee could result in a significant impact. OPR notes that this threshold is supported by evidence that connects this level of reduction to the State's emissions goals.
- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.
- OPR states that by adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Generally, retail development including stores smaller than 50,000 square feet might be considered local serving.
- Lead agencies have the discretion to set or apply their own significance thresholds.

Based on the proposed project's land use information and for the purposes of completing this SB 743 analysis to identify transportation-related significant impacts, the project was analyzed as a "Retail" land use. Based on the nature of the land use description provided, the retail use was analyzed qualitatively. The City of Hanford has adopted SB 743 guidance and accompanying thresholds. The City's *Guidelines*[9] was used as the basis for the analysis documented herein.

[8] *Technical Advisory on Evaluating Transportation Impacts in CEQA.* Governor's Office of Planning and Research State of California. December 2018.
[9] *VMT Thresholds and Implementation Guidelines – City of Hanford*, LSA, November 2022.

Analysis

Page i of the *Guidelines* specifically addresses how local-serving retail should be evaluated in terms of its VMT impact. As described, the threshold for significance for retail projects is "a net increase." This threshold definition means that if a proposed facility produces one additional VMT, it will result in a finding of significance. However, page 6 of the document further explains that local retail stores can be determined to result in an overall VMT reduction. This finding is consistent with the desire to develop more sustainable communities that have fewer transportation impacts.

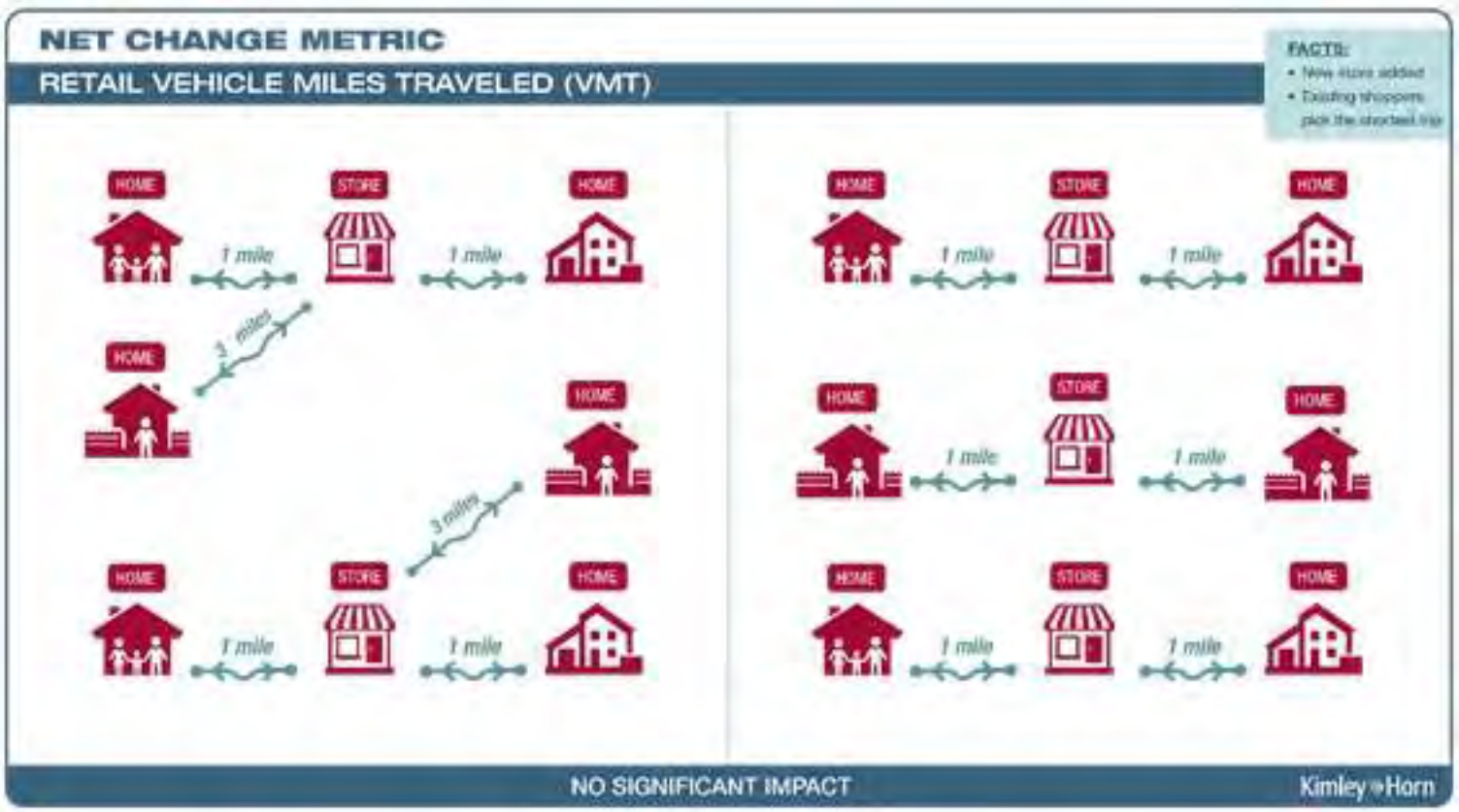
Local-serving retail (e.g., gas station/convenience market) primarily serves pre-existing needs (i.e. they do not generate new trips because they meet existing demand). Because of this dynamic, local-serving retail uses can be presumed to reduce trip lengths when a new use is proposed. Essentially, the assumption is that someone will travel to a newly constructed, local-serving establishment because of its proximity, rather than the proposed retail store fulfilling an unmet need (i.e. the person had an existing need that was met by the retail located farther away and is now traveling to the new use because it is closer to the person's origin location). This relationship results in a trip on the roadway network becoming shorter, rather than a new trip being added to the roadway network. Conversely, residential and office land uses often drive new trips given that they introduce new participants to the transportation system. The *Guidelines* provides a threshold of 55,000-square feet (sf) per establishment as an indicator as to whether a retail use can be considered local-serving or not. Based on the understanding that the building within the proposed project is approximately 6,000-sf, it is presumed that the project's proposed retail uses will not result in a significant impact.

Figure 10 is provided to visually demonstrate the basis of this finding. As shown in Figure 10, the introduction of a new retail use often has the effect of redistributing existing customer trips in a manner that reduces average trip lengths, thereby resulting in a VMT reduction (i.e. trip segments that were 3 miles prior to the new retail store are reduced to 1 mile with the addition of the new retail store).

In terms of employee trips, most often an important strategy for reducing VMT in a rural community is to improve the local jobs/housing balance by increasing the number of employment opportunities. As such, it is reasonable to expect that increasing local employment opportunities will reduce the average commuter trip lengths of residents, thereby resulting in a net decrease to regional net VMT.

OPR's *Technical Advisory* indicates that, although heavy vehicle traffic can be included for analysis convenience, the VMT analysis requirements are specific to passenger-vehicles and light duty trucks. It is generally understood that Interstate commerce and related heavy vehicle traffic are regulated by the Federal government as it relates to commerce. Irrespective of this guidance, it is reasonable to assume that the location of this project adjacent to SR-198 offers services for the traveling public and truck drivers that are already on the roadway system and need to stop for services. With the exception of employee commute trips, the trips for this type of use are generally pass-by or diverted link. Accordingly, it is reasonable to assume that the proposed Maverik would not generate new demand, rather it would satisfy existing demand that would therefore shorten the distance that customers would otherwise travel.

Figure 10 – Illustration of the VMT Reducing Effect of Local-Serving Retail



Other site-related trips, often the smallest number and shortest distance of trips for a facility such as the proposed project, include employee lunches offsite, maintenance teams for on-site infrastructure, supply deliveries, etc. As such, their impact to the overall VMT of the site is likely minimal and it is not likely that they are impactful to the local transportation system and are secondary to the other two trip types discussed above.

Finally, as noted above, while this facility is expected to provide additional jobs and some related trips to the area, the facility itself is not expected to be the principal catalyst for new trips. Rather, it is anticipated that these trips would most likely occur regardless of whether this location were developed. The proposed project is reasonably considered to be proposed in response to an existing demand for services for road users already on the roadway network. Accordingly, if this site were not developed, a similar site will be developed elsewhere to meet this demand and, as such, the alternative to this development would likely not eliminate any related VMT. In consideration of this and the other points discussed above, the project is not anticipated to result in a significant impact under CEQA pursuant to SB 743.

CONCLUSIONS

Significant findings of this study include:

- The project is anticipated to generate up to 4,986 Daily trips, 468 AM peak-hour trips, and 378 PM peak-hour new primary trips.
- The addition of the project to the Existing (2025) analysis scenario results in level-of-service (LOS) deficiencies at Intersection #3 (12th Avenue at Hayden Avenue) during the AM and PM peak-hours. The deficiencies can be improved to within the City's LOS D threshold with the installation of a traffic signal at Intersection #3.
- The addition of the project to the Cumulative (2045) analysis scenario results in level-of-service (LOS) deficiencies at Intersection #3 (12th Avenue at Hayden Avenue) and Intersection #5 (Hayden Avenue at Full Access Driveway) during the AM and PM peak hours. These deficiencies can be improved to within the City's LOS D threshold by the installation of a traffic signal at Intersection #3.
- Intersection #3 (12th Avenue at Hayden Avenue) satisfies Caltrans Warrant 3 (Peak-Hour) for signalization during both the AM and PM peak hours under the Existing (2025) plus Project and Cumulative (2045) plus Project analysis scenarios. It is recommended that a traffic signal be installed at Intersection #3 to address the previously identified LOS deficiencies.
- The addition of the project results in a queueing deficiency for the southbound left-turn movement at Intersection #4 (12th Avenue at Hanford Armona Road) during the PM peak-hour under Existing (2025) plus Project, Cumulative (2045), and Cumulative (2045) plus Project analysis scenarios. The queue lengths in the Existing (2025) plus Project and Cumulative (2045) plus Project scenarios can be improved by retiming the intersection's traffic signal cycle length.
- Traffic Accident Surveillance and Analysis System (TASAS) ramp collision data provided by Caltrans reveals that the northbound Highway 198 Eastbound on-ramp from 12th Avenue and the Highway 198 Westbound off-ramp to 12th Avenue both exhibit actual facility collision rates higher than the statewide average for comparable facilities. The project is not expected to significantly alter the prevailing conditions.
- Transportation Injury Mapping System (TIMS) intersection collision data does not reveal instances of actual collision rates higher than the statewide average for comparable facilities for the study intersections included in this report. The project is not expected to significantly alter the prevailing conditions. Project improvements to Intersection #3 (12th Avenue at Hayden Road) are expected to improve safety for all roadway users.
- A qualitative CEQA/SB 743 assessment concludes that the project is not anticipated to result in a significant impact.

Appendix A

ITE Land Use Code (945) Hourly Distribution

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use			
Source: ITE *Trip Generation Manual* , 11th Edition			
Land Use Code	945		
Land Use	Convenience Store/Gas Station		
Subcategory	GFA (2-4k)		
Setting	General Urban/Suburban		
Time Period	Weekday		
# Data Sites	38		
	% of 24-Hour Vehicle Trips		
Time	Total	Entering	Exiting
12:00 - 1:00 AM	0.9%	0.9%	0.9%
1:00 - 2:00 AM	0.5%	0.5%	0.5%
2:00 - 3:00 AM	0.5%	0.4%	0.5%
3:00 - 4:00 AM	0.5%	0.5%	0.6%
4:00 - 5:00 AM	1.0%	1.0%	1.1%
5:00 - 6:00 AM	2.3%	2.3%	2.2%
6:00 - 7:00 AM	4.6%	4.7%	4.5%
7:00 - 8:00 AM	6.2%	6.2%	6.1%
8:00 - 9:00 AM	5.9%	5.8%	5.9%
9:00 - 10:00 AM	5.0%	5.0%	5.1%
10:00 - 11:00 AM	5.2%	5.2%	5.2%
11:00 - 12:00 PM	5.3%	5.3%	5.2%
12:00 - 1:00 PM	5.8%	5.8%	5.8%
1:00 - 2:00 PM	5.4%	5.4%	5.3%
2:00 - 3:00 PM	5.9%	6.1%	5.8%
3:00 - 4:00 PM	6.5%	6.5%	6.4%
4:00 - 5:00 PM	7.1%	7.2%	7.1%
5:00 - 6:00 PM	6.9%	7.0%	6.9%
6:00 - 7:00 PM	6.5%	6.5%	6.6%
7:00 - 8:00 PM	5.3%	5.3%	5.3%
8:00 - 9:00 PM	4.4%	4.3%	4.5%
9:00 - 10:00 PM	3.7%	3.7%	3.7%
10:00 - 11:00 PM	2.8%	2.7%	2.8%
11:00 - 12:00 AM	1.9%	1.8%	1.9%

Hourly Distribution of Entering and Exiting Vehicle Trips by Land Use			
Source: ITE *Trip Generation Manual* , 11th Edition			
Land Use Code	945		
Land Use	Convenience Store/Gas Station		
Subcategory	GFA (4-10k)		
Setting	General Urban/Suburban		
Time Period	Weekday		
# Data Sites	5		
	% of 24-Hour Vehicle Trips		
Time	Total	Entering	Exiting
12:00 - 1:00 AM	1.3%	1.2%	1.3%
1:00 - 2:00 AM	0.8%	0.8%	0.9%
2:00 - 3:00 AM	0.6%	0.6%	0.6%
3:00 - 4:00 AM	0.8%	0.8%	0.7%
4:00 - 5:00 AM	1.5%	1.6%	1.5%
5:00 - 6:00 AM	3.1%	3.1%	3.0%
6:00 - 7:00 AM	4.6%	4.7%	4.5%
7:00 - 8:00 AM	5.9%	6.0%	5.9%
8:00 - 9:00 AM	6.5%	6.5%	6.4%
9:00 - 10:00 AM	5.7%	5.6%	5.7%
10:00 - 11:00 AM	5.3%	5.3%	5.3%
11:00 - 12:00 PM	5.8%	5.8%	5.7%
12:00 - 1:00 PM	6.6%	6.6%	6.6%
1:00 - 2:00 PM	6.1%	6.2%	5.9%
2:00 - 3:00 PM	6.1%	6.0%	6.2%
3:00 - 4:00 PM	6.8%	6.8%	6.8%
4:00 - 5:00 PM	6.4%	6.3%	6.5%
5:00 - 6:00 PM	6.8%	6.7%	6.9%
6:00 - 7:00 PM	5.4%	5.3%	5.4%
7:00 - 8:00 PM	4.0%	3.9%	4.0%
8:00 - 9:00 PM	3.4%	3.4%	3.4%
9:00 - 10:00 PM	2.7%	2.8%	2.7%
10:00 - 11:00 PM	2.1%	2.1%	2.1%
11:00 - 12:00 AM	1.9%	1.9%	2.0%

Appendix B

Traffic Count Data Sheets

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & WB Highway 198 Ramps
City: Hanford
Control: Signalized

Project ID: 25-090015-001
Date: 2/6/2025

Data - Total

NS/EW Streets:	12th Ave				12th Ave				WB Highway 198 Ramps				WB Highway 198 Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	3	1	0	0	0	0	0	1.5	0	1.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	10	101	0	0	0	123	64	0	0	0	0	0	15	0	62	0	375
7:15 AM	14	135	0	0	0	124	62	0	0	0	0	0	9	0	67	0	411
7:30 AM	28	214	0	0	0	162	47	0	0	0	0	0	14	0	83	0	548
7:45 AM	25	272	0	0	0	144	61	0	0	0	0	0	18	0	170	0	690
8:00 AM	8	248	0	0	0	134	59	0	0	0	0	0	13	0	98	0	560
8:15 AM	9	206	0	0	0	155	59	0	0	0	0	0	16	0	88	0	533
8:30 AM	11	179	0	0	0	132	58	0	0	0	0	0	16	0	72	0	468
8:45 AM	12	172	0	0	0	113	50	0	0	0	0	0	13	0	69	0	429
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	117	1527	0	0	0	1087	460	0	0	0	0	0	114	0	709	0	4014
APPROACH %'s :	7.12%	92.88%	0.00%	0.00%	0.00%	70.27%	29.73%	0.00%					13.85%	0.00%	86.15%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	70	940	0	0	0	595	226	0	0	0	0	0	61	0	439	0	2331
PEAK HR FACTOR :	0.625	0.864	0.000	0.000	0.000	0.918	0.926	0.000	0.000	0.000	0.000	0.000	0.847	0.000	0.646	0.000	0.845
	0.850				0.959								0.665				

NS/EW Streets:	12th Ave				12th Ave				WB Highway 198 Ramps				WB Highway 198 Ramps				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	3	1	0	0	0	0	0	1.5	0	1.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	14	236	0	0	0	261	118	0	0	0	0	0	34	0	91	0	754
4:15 PM	9	237	0	0	0	235	114	0	0	0	0	0	33	0	93	0	721
4:30 PM	7	220	0	0	0	246	127	0	0	0	0	0	28	0	99	0	727
4:45 PM	10	217	0	0	0	202	113	0	0	0	0	0	30	0	100	0	672
5:00 PM	3	217	0	0	0	265	127	0	0	0	0	0	29	0	107	0	748
5:15 PM	8	219	0	0	0	258	126	0	0	0	0	0	29	0	111	0	751
5:30 PM	11	203	0	0	0	235	152	0	0	0	0	0	46	0	91	0	738
5:45 PM	13	223	0	0	0	241	113	0	0	0	0	0	40	0	98	0	728
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	75	1772	0	0	0	1943	990	0	0	0	0	0	269	0	790	0	5839
APPROACH %'s :	4.06%	95.94%	0.00%	0.00%	0.00%	66.25%	33.75%	0.00%					25.40%	0.00%	74.60%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	35	862	0	0	0	999	518	0	0	0	0	0	144	0	407	0	2965
PEAK HR FACTOR :	0.673	0.966	0.000	0.000	0.000	0.942	0.852	0.000	0.000	0.000	0.000	0.000	0.783	0.000	0.917	0.000	0.987
	0.950				0.967								0.984				

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & WB Highway 198 Ramps
City: Hanford
Control: Signalized

Project ID: 25-090015-001
Date: 2/6/2025

Data - HT

NS/EW Streets:	12th Ave				12th Ave				WB Highway 198 Ramps				WB Highway 198 Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	3	1	0	0	0	0	0	1.5	0	1.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	2	0	0	0	0	0	0	1	0	1	0	4
7:15 AM	0	0	0	0	0	3	0	0	0	0	0	0	3	0	0	0	6
7:30 AM	2	6	0	0	0	5	1	0	0	0	0	0	1	0	3	0	18
7:45 AM	1	1	0	0	0	5	0	0	0	0	0	0	3	0	4	0	14
8:00 AM	1	3	0	0	0	6	0	0	0	0	0	0	0	0	2	0	12
8:15 AM	0	4	0	0	0	7	2	0	0	0	0	0	2	0	2	0	17
8:30 AM	0	3	0	0	0	3	0	0	0	0	0	0	0	0	1	0	7
8:45 AM	0	4	0	0	0	3	2	0	0	0	0	0	0	0	1	0	10
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	4	21	0	0	0	34	5	0	0	0	0	0	10	0	14	0	88
APPROACH %'s :	16.00%	84.00%	0.00%	0.00%	0.00%	87.18%	12.82%	0.00%					41.67%	0.00%	58.33%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	4	14	0	0	0	23	3	0	0	0	0	0	6	0	11	0	61
PEAK HR FACTOR :	0.500	0.583	0.000	0.000	0.000	0.821	0.375	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.688	0.000	0.847
	0.563				0.722								0.607				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	0	3	1	0	0	0	0	0	1.5	0	1.5	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	4	0	0	0	4	1	0	0	0	0	0	0	0	0	0	9
4:15 PM	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
4:30 PM	0	1	0	0	0	1	1	0	0	0	0	0	1	0	1	0	5
4:45 PM	0	1	0	0	0	2	4	0	0	0	0	0	2	0	0	0	9
5:00 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	4
5:15 PM	0	1	0	0	0	1	1	0	0	0	0	0	2	0	0	0	5
5:30 PM	1	3	0	0	0	3	0	0	0	0	0	0	1	0	0	0	8
5:45 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	15	0	0	0	17	7	0	0	0	0	0	6	0	4	0	50
APPROACH %'s :	6.25%	93.75%	0.00%	0.00%	0.00%	70.83%	29.17%	0.00%					60.00%	0.00%	40.00%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	1	4	0	0	0	9	1	0	0	0	0	0	3	0	3	0	21
PEAK HR FACTOR :	0.250	0.333	0.000	0.000	0.000	0.563	0.250	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.250	0.000	0.656
	0.313				0.625								0.500				

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & WB Highway 198 Ramps
City: Hanford

Project ID: 25-090015-001
Date: 2/6/2025

Data - Pedestrians (Crosswalks)

NS/EW Streets:	12th Ave		12th Ave		WB Highway 198 Ramps		WB Highway 198 Ramps		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	1	0	1
8:45 AM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	1
APPROACH %'s :							100.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	05:00 PM - 06:00 PM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & EB Highway 198 Ramps
City: Hanford
Control: Signalized

Project ID: 25-090015-002
Date: 2/6/2025

Data - Total

NS/EW Streets:	12th Ave				12th Ave				EB Highway 198 Ramps				EB Highway 198 Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	0	2	1	0	2	0	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	66	31	0	0	76	57	0	43	0	6	0	0	0	0	0	279
7:15 AM	0	101	50	0	0	71	66	0	49	0	11	0	0	0	0	0	348
7:30 AM	0	165	53	0	0	84	93	0	76	0	5	0	0	0	0	0	476
7:45 AM	0	167	38	0	0	92	68	0	131	0	12	0	0	0	0	0	508
8:00 AM	0	154	25	0	0	94	55	0	101	0	5	0	0	0	0	0	434
8:15 AM	0	134	35	0	0	110	56	0	85	0	7	0	0	0	0	0	427
8:30 AM	0	92	35	0	0	103	50	0	95	0	8	0	0	0	0	0	383
8:45 AM	0	97	24	0	0	83	41	0	86	0	2	0	0	0	0	0	333
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	976	291	0	0	713	486	0	666	0	56	0	0	0	0	0	3188
APPROACH %'s :	0.00%	77.03%	22.97%	0.00%	0.00%	59.47%	40.53%	0.00%	92.24%	0.00%	7.76%	0.00%					
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	620	151	0	0	380	272	0	393	0	29	0	0	0	0	0	1845
PEAK HR FACTOR :	0.000	0.928	0.712	0.000	0.000	0.864	0.731	0.000	0.750	0.000	0.604	0.000	0.000	0.000	0.000	0.000	0.908
		0.884				0.921				0.738							

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	0	2	1	0	2	0	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	139	37	0	0	195	91	0	100	0	15	0	0	0	0	0	577
4:15 PM	0	147	29	0	0	181	96	0	98	0	6	0	0	0	0	0	557
4:30 PM	0	139	25	0	0	159	113	0	90	0	12	0	0	0	0	0	538
4:45 PM	0	131	28	0	0	154	84	0	93	0	10	0	0	0	0	0	500
5:00 PM	0	121	28	0	0	149	137	0	104	0	6	0	0	0	0	0	545
5:15 PM	0	122	33	0	0	185	108	0	103	0	6	0	0	0	0	0	557
5:30 PM	0	117	32	0	0	175	99	0	99	0	8	0	0	0	0	0	530
5:45 PM	0	141	26	0	0	187	98	0	92	0	4	0	0	0	0	0	548
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1057	238	0	0	1385	826	0	779	0	67	0	0	0	0	0	4352
APPROACH %'s :	0.00%	81.62%	18.38%	0.00%	0.00%	62.64%	37.36%	0.00%	92.08%	0.00%	7.92%	0.00%					
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	501	119	0	0	696	442	0	398	0	24	0	0	0	0	0	2180
PEAK HR FACTOR :	0.000	0.888	0.902	0.000	0.000	0.930	0.807	0.000	0.957	0.000	0.750	0.000	0.000	0.000	0.000	0.000	0.978
		0.928				0.971				0.959							

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & EB Highway 198 Ramps
City: Hanford
Control: Signalized

Project ID: 25-090015-002
Date: 2/6/2025

Data - HT

NS/EW Streets:	12th Ave				12th Ave				EB Highway 198 Ramps				EB Highway 198 Ramps				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	0	2	1	0	2	0	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	1	0	0	2	1	0	0	0	1	0	0	0	0	0	5
7:15 AM	0	0	1	0	0	3	3	0	0	0	1	0	0	0	0	0	8
7:30 AM	0	7	2	0	0	4	2	0	1	0	0	0	0	0	0	0	16
7:45 AM	0	1	1	0	0	4	4	0	1	0	0	0	0	0	0	0	11
8:00 AM	0	3	0	0	0	2	4	0	1	0	1	0	0	0	0	0	11
8:15 AM	0	3	1	0	0	7	2	0	1	0	1	0	0	0	0	0	15
8:30 AM	0	1	2	0	0	1	2	0	2	0	0	0	0	0	0	0	8
8:45 AM	0	2	2	0	0	1	2	0	2	0	0	0	0	0	0	0	9
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	17	10	0	0	24	20	0	8	0	4	0	0	0	0	0	83
APPROACH %'s :	0.00%	62.96%	37.04%	0.00%	0.00%	54.55%	45.45%	0.00%	66.67%	0.00%	33.33%	0.00%					
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	14	4	0	0	17	12	0	4	0	2	0	0	0	0	0	53
PEAK HR FACTOR :	0.000	0.500	0.500	0.000	0.000	0.607	0.750	0.000	1.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.828
	0.500				0.806				0.750								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	2	1	0	0	2	1	0	2	0	1	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	2	0	0	0	3	0	0	3	0	0	0	0	0	0	0	8
4:15 PM	0	2	2	0	0	2	0	0	2	0	0	0	0	0	0	0	8
4:30 PM	0	0	2	0	0	1	1	0	1	0	0	0	0	0	0	0	5
4:45 PM	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	5
5:00 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	1	0	0	2	1	0	1	0	0	0	0	0	0	0	5
5:30 PM	0	3	0	0	0	2	2	0	1	0	0	0	0	0	0	0	8
5:45 PM	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	7	5	0	0	15	7	0	9	0	0	0	0	0	0	0	43
APPROACH %'s :	0.00%	58.33%	41.67%	0.00%	0.00%	68.18%	31.82%	0.00%	100.00%	0.00%	0.00%	0.00%					
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	3	1	0	0	5	6	0	2	0	0	0	0	0	0	0	17
PEAK HR FACTOR :	0.000	0.250	0.250	0.000	0.000	0.625	0.750	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.531
	0.333				0.688				0.500								

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & EB Highway 198 Ramps
City: Hanford

Project ID: 25-090015-002
Date: 2/6/2025

Data - Pedestrians (Crosswalks)

NS/EW Streets:	12th Ave		12th Ave		EB Highway 198 Ramps		EB Highway 198 Ramps		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	1	0	1
8:45 AM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	1	0	1
APPROACH %'s :							100.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	05:00 PM - 06:00 PM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & W Hayden Ave
City: Hanford
Control: 1-Way Stop(WB)

Project ID: 25-090015-003
Date: 2/6/2025

Data - Total

NS/EW Streets:	12th Ave				12th Ave				W Hayden Ave				W Hayden Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	0	0	0	1	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	97	0	1	1	78	0	3	0	0	0	0	0	0	0	0	180
7:15 AM	0	148	0	2	2	77	0	2	0	0	0	0	0	0	0	0	231
7:30 AM	0	213	0	3	2	82	0	4	0	0	0	0	0	0	0	0	304
7:45 AM	0	200	1	1	6	95	0	4	0	0	0	0	0	0	0	0	307
8:00 AM	0	176	2	2	2	97	0	1	0	0	0	0	1	0	2	0	283
8:15 AM	0	163	3	1	5	107	0	1	0	0	0	0	1	0	6	0	287
8:30 AM	0	113	2	0	4	103	0	8	0	0	0	0	1	0	5	0	236
8:45 AM	0	115	2	0	3	79	0	3	0	0	0	0	1	0	4	0	207
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1225	10	10	25	718	0	26	0	0	0	0	4	0	17	0	2035
APPROACH %'s :	0.00%	98.39%	0.80%	0.80%	3.25%	93.37%	0.00%	3.38%					19.05%	0.00%	80.95%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	752	6	7	15	381	0	10	0	0	0	0	2	0	8	0	1181
PEAK HR FACTOR :	0.000	0.883	0.500	0.583	0.625	0.890	0.000	0.625	0.000	0.000	0.000	0.000	0.500	0.000	0.333	0.000	0.962
		0.885				0.898								0.357			

NS/EW Streets:	12th Ave				12th Ave				W Hayden Ave				W Hayden Ave				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	0	0	0	1	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	161	4	0	13	187	0	6	0	0	0	0	2	0	10	0	383
4:15 PM	0	158	1	1	7	167	0	10	0	0	0	0	4	0	12	0	360
4:30 PM	0	144	1	0	5	163	0	9	0	0	0	0	2	0	6	0	330
4:45 PM	0	154	2	1	4	156	0	1	0	0	0	0	1	0	4	0	323
5:00 PM	0	152	2	2	6	147	0	6	0	0	0	0	1	0	2	0	318
5:15 PM	0	129	0	0	10	168	0	8	0	0	0	0	2	0	9	0	326
5:30 PM	0	137	5	1	9	175	0	2	0	0	0	0	6	0	8	0	343
5:45 PM	0	147	4	0	8	175	0	11	0	0	0	0	6	0	12	0	363
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	1182	19	5	62	1338	0	53	0	0	0	0	24	0	63	0	2746
APPROACH %'s :	0.00%	98.01%	1.58%	0.41%	4.27%	92.09%	0.00%	3.65%					27.59%	0.00%	72.41%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	617	8	2	29	673	0	26	0	0	0	0	9	0	32	0	1396
PEAK HR FACTOR :	0.000	0.958	0.500	0.500	0.558	0.900	0.000	0.650	0.000	0.000	0.000	0.000	0.563	0.000	0.667	0.000	0.911
		0.950				0.883								0.641			

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & W Hayden Ave
City: Hanford
Control: 1-Way Stop(WB)

Project ID: 25-090015-003
Date: 2/6/2025

Data - HT

NS/EW Streets:	12th Ave				12th Ave				W Hayden Ave				W Hayden Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	0	0	0	1	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4
7:15 AM	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	7
7:30 AM	0	7	0	0	0	4	0	0	0	0	0	0	0	0	0	0	11
7:45 AM	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0	0	6
8:00 AM	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	6
8:15 AM	0	4	0	0	0	8	0	0	0	0	0	0	0	0	0	0	12
8:30 AM	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
8:45 AM	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	27	0	0	0	28	0	0	0	0	0	0	0	0	0	0	55
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	16	0	0	0	19	0	0	0	0	0	0	0	0	0	0	35
PEAK HR FACTOR :	0.000	0.571	0.000	0.000	0.000	0.594	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.729
	0.571				0.594												

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	0	0	0	0	1	0	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	5
4:15 PM	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	4
4:30 PM	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3
4:45 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
5:30 PM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	1	0	5
5:45 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	9	0	0	1	12	0	2	0	0	0	0	0	0	1	0	25
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	6.67%	80.00%	0.00%	13.33%					0.00%	0.00%	100.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	0	6	0	0	0	8	0	2	0	0	0	0	0	0	0	0	16
PEAK HR FACTOR :	0.000	0.750	0.000	0.000	0.000	0.500	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.800
	0.750				0.625												

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & W Hayden Ave
City: Hanford

Project ID: 25-090015-003
Date: 2/6/2025

Data - Pedestrians (Crosswalks)

NS/EW Streets:	12th Ave		12th Ave		W Hayden Ave		W Hayden Ave		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	07:30 AM - 08:30 AM								TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	2	0	0	0	2
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	1	0	0	2	0	0	0	3
APPROACH %'s :	0.00%	100.00%			100.00%	0.00%			
PEAK HR :	04:00 PM - 05:00 PM								TOTAL
PEAK HR VOL :	0	1	0	0	0	0	0	0	1
PEAK HR FACTOR :		0.250							0.250
	0.250								

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & Hanford Armona Rd
City: Hanford
Control: Signalized

Project ID: 25-090015-004
Date: 2/6/2025

Data - Total

NS/EW Streets:	12th Ave				12th Ave				Hanford Armona Rd				Hanford Armona Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1	2	0	0	1	1	1	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	11	60	7	0	25	43	7	0	6	12	1	0	0	23	27	0	222
7:15 AM	24	79	0	0	25	40	10	0	20	24	5	0	6	26	48	0	307
7:30 AM	19	112	8	0	24	43	7	1	26	40	15	0	6	42	75	0	418
7:45 AM	18	103	10	0	36	48	9	5	21	35	10	0	6	51	75	0	427
8:00 AM	12	88	1	0	33	50	7	5	22	42	15	0	7	37	63	0	382
8:15 AM	9	79	7	0	34	63	13	1	16	20	10	0	4	25	63	0	344
8:30 AM	12	57	10	0	40	48	14	1	12	26	12	0	2	25	42	0	301
8:45 AM	3	56	7	0	29	38	12	4	16	28	1	0	6	22	40	0	262
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	108	634	50	0	246	373	79	17	139	227	69	0	37	251	433	0	2663
APPROACH %'s :	13.64%	80.05%	6.31%	0.00%	34.41%	52.17%	11.05%	2.38%	31.95%	52.18%	15.86%	0.00%	5.13%	34.81%	60.06%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	58	382	26	0	127	204	36	12	85	137	50	0	23	155	276	0	1571
PEAK HR FACTOR :	0.763	0.853	0.650	0.000	0.882	0.810	0.692	0.600	0.817	0.815	0.833	0.000	0.821	0.760	0.920	0.000	0.920
	0.838				0.854				0.840				0.860				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1	2	0	0	1	1	1	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	7	68	11	0	84	95	19	1	27	44	22	0	13	45	64	0	500
4:15 PM	10	80	11	0	66	73	19	2	24	42	18	0	15	24	51	0	435
4:30 PM	12	70	12	0	53	71	25	7	16	46	21	0	8	41	46	0	428
4:45 PM	8	77	7	0	66	86	22	5	20	49	8	0	9	30	59	0	446
5:00 PM	9	63	10	0	52	71	21	2	25	43	11	0	19	41	59	0	426
5:15 PM	9	67	12	0	77	73	27	4	16	31	15	0	12	23	46	0	412
5:30 PM	13	63	13	0	53	95	21	3	26	38	13	0	8	26	51	0	423
5:45 PM	9	73	7	0	56	94	24	6	14	29	16	0	8	26	52	0	414
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	77	561	83	0	507	658	178	30	168	322	124	0	92	256	428	0	3484
APPROACH %'s :	10.68%	77.81%	11.51%	0.00%	36.93%	47.92%	12.96%	2.18%	27.36%	52.44%	20.20%	0.00%	11.86%	32.99%	55.15%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	37	295	41	0	269	325	85	15	87	181	69	0	45	140	220	0	1809
PEAK HR FACTOR :	0.771	0.922	0.854	0.000	0.801	0.855	0.850	0.536	0.806	0.923	0.784	0.000	0.750	0.778	0.859	0.000	0.905
	0.923				0.872				0.906				0.830				

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & Hanford Armona Rd
City: Hanford
Control: Signalized

Project ID: 25-090015-004
Date: 2/6/2025

Data - HT

NS/EW Streets:	12th Ave				12th Ave				Hanford Armona Rd				Hanford Armona Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1	2	0	0	1	1	1	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	1	1	3	0	1	1	0	0	0	0	0	0	0	1	0	0	8
7:15 AM	0	2	0	0	0	3	1	0	0	4	1	0	0	2	1	0	14
7:30 AM	1	5	1	0	1	2	1	0	1	1	1	0	0	0	1	0	15
7:45 AM	1	2	0	0	2	2	0	0	0	2	1	0	0	0	0	0	10
8:00 AM	0	2	0	0	1	1	0	0	1	1	1	0	0	1	0	0	8
8:15 AM	1	2	1	0	1	6	2	0	0	0	0	0	0	1	1	0	15
8:30 AM	0	1	4	0	0	0	0	0	1	3	0	0	0	3	1	0	13
8:45 AM	0	0	0	0	0	1	0	0	1	2	0	0	0	3	3	0	10
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	4	15	9	0	6	16	4	0	4	13	4	0	0	11	7	0	93
APPROACH %'s :	14.29%	53.57%	32.14%	0.00%	23.08%	61.54%	15.38%	0.00%	19.05%	61.90%	19.05%	0.00%	0.00%	61.11%	38.89%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	3	11	2	0	5	11	3	0	2	4	3	0	0	2	2	0	48
PEAK HR FACTOR :	0.750	0.550	0.500	0.000	0.625	0.458	0.375	0.000	0.500	0.500	0.750	0.000	0.000	0.500	0.500	0.000	0.800
	0.571				0.528				0.750				0.500				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1	2	0	0	1	1	1	0	1	1	1	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	1	3	1	0	0	3	0	0	0	1	0	0	0	0	0	0	9
4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3
4:30 PM	0	1	1	0	0	0	1	0	1	1	0	0	0	1	0	0	6
4:45 PM	0	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	5
5:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2
5:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
5:30 PM	0	2	1	0	0	2	0	0	0	0	1	0	0	0	0	0	6
5:45 PM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	1	7	4	0	1	9	2	0	1	3	2	0	0	4	1	0	35
APPROACH %'s :	8.33%	58.33%	33.33%	0.00%	8.33%	75.00%	16.67%	0.00%	16.67%	50.00%	33.33%	0.00%	0.00%	80.00%	20.00%	0.00%	
PEAK HR :	04:00 PM - 05:00 PM																TOTAL
PEAK HR VOL :	1	5	2	0	1	5	2	0	1	3	0	0	0	3	0	0	23
PEAK HR FACTOR :	0.250	0.417	0.500	0.000	0.250	0.417	0.500	0.000	0.250	0.750	0.000	0.000	0.000	0.375	0.000	0.000	0.639
	0.400				0.500				0.500				0.375				

National Data & Surveying Services

Intersection Turning Movement Count

Location: 12th Ave & Hanford Armona Rd
City: Hanford

Project ID: 25-090015-004
Date: 2/6/2025

Data - Pedestrians (Crosswalks)

NS/EW Streets:	12th Ave		12th Ave		Hanford Armona Rd		Hanford Armona Rd		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	1	0	0	0	0	0	1
7:15 AM	0	0	0	12	0	4	0	0	16
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	2	1	0	0	0	0	3
8:30 AM	0	2	1	0	0	0	0	0	3
8:45 AM	0	0	1	0	1	0	0	0	2
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	2	5	13	1	4	0	0	25
APPROACH %'s :	0.00%	100.00%	27.78%	72.22%	20.00%	80.00%			
PEAK HR :	07:30 AM - 08:30 AM								TOTAL
PEAK HR VOL :	0	0	2	1	0	0	0	0	3
PEAK HR FACTOR :			0.250	0.250					0.250
			0.250						

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	1	0	1	0	0	0	2
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	1	0	0	0	0	0	1
5:45 PM	0	0	1	1	0	0	0	0	2
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	3	1	1	0	0	0	5
APPROACH %'s :			75.00%	25.00%	100.00%	0.00%			
PEAK HR :	04:00 PM - 05:00 PM								TOTAL
PEAK HR VOL :	0	0	1	0	1	0	0	0	2
PEAK HR FACTOR :			0.250		0.250				0.250
			0.250		0.250				

Appendix C

Analysis Worksheets for Existing (2025)

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3155	3229	3083	3152	3089	3126	3095
Vehs Exited	3154	3202	3098	3144	3087	3147	3097
Starting Vehs	91	69	98	77	89	100	92
Ending Vehs	92	96	83	85	91	79	90
Travel Distance (mi)	2289	2292	2219	2259	2196	2284	2229
Travel Time (hr)	99.4	99.6	94.8	97.4	94.1	98.1	95.2
Total Delay (hr)	30.4	30.4	27.9	29.1	27.9	29.1	28.0
Total Stops	3124	3207	2961	3094	3038	3090	3048
Fuel Used (gal)	81.7	82.0	79.6	80.7	78.7	81.3	79.7

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3178	3084	3173	3135
Vehs Exited	3184	3064	3169	3136
Starting Vehs	85	99	88	89
Ending Vehs	79	119	92	90
Travel Distance (mi)	2287	2216	2292	2256
Travel Time (hr)	99.6	95.4	98.4	97.2
Total Delay (hr)	30.4	28.3	29.2	29.1
Total Stops	3182	3045	3125	3091
Fuel Used (gal)	82.2	78.7	82.0	80.7

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	753	781	761	788	717	726	737
Vehs Exited	757	737	765	768	725	721	737
Starting Vehs	91	69	98	77	89	100	92
Ending Vehs	87	113	94	97	81	105	92
Travel Distance (mi)	543	543	548	556	520	535	530
Travel Time (hr)	23.2	23.1	23.5	23.3	21.9	22.2	22.9
Total Delay (hr)	6.7	6.8	7.0	6.5	6.2	6.1	6.9
Total Stops	687	714	756	735	710	680	769
Fuel Used (gal)	19.3	19.2	19.8	19.8	18.4	18.9	19.3

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	768	749	761	753
Vehs Exited	754	759	756	747
Starting Vehs	85	99	88	89
Ending Vehs	99	89	93	92
Travel Distance (mi)	555	546	558	543
Travel Time (hr)	23.9	23.2	23.7	23.1
Total Delay (hr)	7.1	6.6	6.9	6.7
Total Stops	757	724	756	728
Fuel Used (gal)	20.2	19.5	19.9	19.4

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	905	932	873	863	896	897	928
Vehs Exited	874	925	868	848	861	899	908
Starting Vehs	87	113	94	97	81	105	92
Ending Vehs	118	120	99	112	116	103	112
Travel Distance (mi)	643	646	600	602	608	640	658
Travel Time (hr)	29.0	29.4	26.0	26.8	27.6	28.8	29.2
Total Delay (hr)	9.7	9.8	7.9	8.6	9.2	9.4	9.5
Total Stops	946	1005	833	861	918	964	948
Fuel Used (gal)	23.2	23.4	21.4	21.4	22.0	23.1	23.6

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	896	875	940	899
Vehs Exited	881	871	912	884
Starting Vehs	99	89	93	92
Ending Vehs	114	93	121	109
Travel Distance (mi)	626	621	643	629
Travel Time (hr)	28.5	27.6	29.0	28.2
Total Delay (hr)	9.5	8.8	9.5	9.2
Total Stops	949	893	964	928
Fuel Used (gal)	22.5	22.2	23.1	22.6

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	731	730	744	763	736	760	719
Vehs Exited	778	757	758	777	789	764	762
Starting Vehs	118	120	99	112	116	103	112
Ending Vehs	71	93	85	98	63	99	69
Travel Distance (mi)	551	539	550	554	549	554	533
Travel Time (hr)	23.5	23.2	23.2	23.8	23.0	23.8	22.6
Total Delay (hr)	6.9	6.9	6.7	7.0	6.4	7.0	6.4
Total Stops	748	727	699	762	725	730	692
Fuel Used (gal)	19.5	19.3	19.7	19.9	19.5	19.6	19.0

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	787	714	732	742
Vehs Exited	811	719	767	766
Starting Vehs	114	93	121	109
Ending Vehs	90	88	86	86
Travel Distance (mi)	579	521	547	548
Travel Time (hr)	24.9	22.4	23.0	23.3
Total Delay (hr)	7.4	6.6	6.5	6.8
Total Stops	769	738	693	728
Fuel Used (gal)	20.7	18.5	19.6	19.5

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	766	786	705	738	740	743	711
Vehs Exited	745	783	707	751	712	763	690
Starting Vehs	71	93	85	98	63	99	69
Ending Vehs	92	96	83	85	91	79	90
Travel Distance (mi)	552	564	521	546	520	555	508
Travel Time (hr)	23.7	24.0	22.1	23.4	21.7	23.3	20.6
Total Delay (hr)	7.1	6.9	6.4	7.0	6.1	6.5	5.3
Total Stops	743	761	673	736	685	716	639
Fuel Used (gal)	19.7	20.1	18.7	19.5	18.7	19.8	17.7

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	727	746	740	737
Vehs Exited	738	715	734	734
Starting Vehs	90	88	86	86
Ending Vehs	79	119	92	90
Travel Distance (mi)	527	528	544	537
Travel Time (hr)	22.4	22.2	22.8	22.6
Total Delay (hr)	6.4	6.3	6.4	6.4
Total Stops	707	690	712	707
Fuel Used (gal)	18.8	18.5	19.4	19.1

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.1	0.0	0.0	0.0	0.2	0.3
Denied Del/Veh (s)	0.9	0.6	0.0	0.0	0.3	2.8	0.5
Total Delay (hr)	0.6	5.1	1.0	3.8	2.6	0.3	13.4
Total Del/Veh (s)	34.4	36.8	49.4	13.9	15.3	4.5	19.6
Stop Delay (hr)	0.5	4.3	0.9	2.1	1.9	0.2	9.9
Stop Del/Veh (s)	28.1	30.9	45.8	7.6	11.1	2.6	14.4

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	2.5	0.1	1.1	0.0	0.7	0.4	4.9
Total Del/Veh (s)	20.6	15.6	6.1	0.9	6.8	5.2	9.1
Stop Delay (hr)	2.1	0.1	0.5	0.0	0.3	0.0	3.1
Stop Del/Veh (s)	17.6	15.5	3.0	0.0	2.9	0.1	5.8

3: 12th Ave & Hayden Ave Performance by movement

Movement	WBL	WBR	NBU	NBT	NBR	SBU	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	5.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.7
Total Del/Veh (s)	16.7	5.2	3.2	2.2	2.2	6.3	5.8	1.5	2.1
Stop Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Stop Del/Veh (s)	14.7	5.2	2.0	0.3	0.4	5.3	3.5	0.1	0.4

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.0	0.5	3.0	2.5	0.8	2.6	2.3	0.1	0.2	0.1	0.1	0.0
Total Delay (hr)	0.6	0.6	0.1	0.2	0.9	0.7	0.4	2.0	0.1	0.1	0.9	0.8
Total Del/Veh (s)	23.5	14.8	3.8	28.8	20.3	8.3	24.8	17.4	10.9	24.1	23.9	11.9
Stop Delay (hr)	0.5	0.4	0.0	0.1	0.6	0.4	0.4	1.4	0.1	0.1	0.8	0.5
Stop Del/Veh (s)	20.6	9.8	2.5	25.0	13.7	5.5	21.7	12.0	8.8	22.3	20.7	7.8

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	1.0
Total Delay (hr)	0.1	7.3
Total Del/Veh (s)	6.2	15.7
Stop Delay (hr)	0.1	5.4
Stop Del/Veh (s)	5.2	11.6

Total Network Performance

Denied Delay (hr)	0.8
Denied Del/Veh (s)	1.0
Total Delay (hr)	28.3
Total Del/Veh (s)	31.5
Stop Delay (hr)	18.6
Stop Del/Veh (s)	20.8

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	116	274	264	136	279	291	137	147	155	69
Average Queue (ft)	24	154	149	55	127	128	62	52	64	25
95th Queue (ft)	73	234	227	107	237	246	112	116	131	55
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)		0							0	
Queuing Penalty (veh)		1							0	

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	174	167	63	108	119	111	109	82
Average Queue (ft)	86	87	20	54	56	42	26	3
95th Queue (ft)	143	143	52	101	101	91	76	31
Link Distance (ft)	1095	1095		593	593	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	WB	WB	NB	SB
Directions Served	L	R	UL	UL
Maximum Queue (ft)	19	29	26	46
Average Queue (ft)	1	7	2	11
95th Queue (ft)	10	26	14	36
Link Distance (ft)		534		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	165		215	220
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	97	129	79	57	148	140	100	134	140	156	99	96
Average Queue (ft)	50	54	24	17	66	65	37	61	71	74	34	43
95th Queue (ft)	88	104	58	48	119	109	76	105	119	133	76	86
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	0	1	0		5	3		0		0		
Queuing Penalty (veh)	0	2	0		17	6		0		0		

Network Summary

Network wide Queuing Penalty: 26

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3628	3865	3621	3770	3791	3754	3653
Vehs Exited	3633	3851	3639	3754	3770	3757	3654
Starting Vehs	98	102	111	97	96	111	101
Ending Vehs	93	116	93	113	117	108	100
Travel Distance (mi)	2583	2719	2589	2666	2695	2682	2576
Travel Time (hr)	109.6	117.8	111.2	114.5	117.3	115.7	110.8
Total Delay (hr)	30.8	34.7	32.5	32.9	35.0	33.7	32.0
Total Stops	3251	3456	3262	3363	3417	3361	3288
Fuel Used (gal)	92.1	97.8	92.7	95.3	96.7	95.8	92.8

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3780	3684	3866	3742
Vehs Exited	3773	3691	3882	3740
Starting Vehs	100	100	133	105
Ending Vehs	107	93	117	104
Travel Distance (mi)	2677	2609	2746	2654
Travel Time (hr)	115.1	112.4	117.8	114.2
Total Delay (hr)	33.3	32.9	33.9	33.2
Total Stops	3383	3279	3428	3349
Fuel Used (gal)	95.9	93.2	98.1	95.0

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	942	926	889	946	938	901	883
Vehs Exited	921	899	900	932	903	901	881
Starting Vehs	98	102	111	97	96	111	101
Ending Vehs	119	129	100	111	131	111	103
Travel Distance (mi)	651	636	644	664	657	642	627
Travel Time (hr)	27.2	27.0	27.6	28.4	28.5	27.1	26.8
Total Delay (hr)	7.2	7.5	8.1	8.2	8.5	7.6	7.6
Total Stops	790	768	760	821	838	819	839
Fuel Used (gal)	23.1	22.5	23.0	23.5	23.5	22.8	22.6

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	918	905	939	916
Vehs Exited	883	891	957	906
Starting Vehs	100	100	133	105
Ending Vehs	135	114	115	119
Travel Distance (mi)	643	638	679	648
Travel Time (hr)	27.4	27.1	28.0	27.5
Total Delay (hr)	8.0	7.7	7.4	7.8
Total Stops	804	779	825	803
Fuel Used (gal)	22.9	22.8	23.9	23.1

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	980	1009	970	985	967	975	1006
Vehs Exited	954	1010	979	974	960	959	988
Starting Vehs	119	129	100	111	131	111	103
Ending Vehs	145	128	91	122	138	127	121
Travel Distance (mi)	693	710	690	686	683	689	697
Travel Time (hr)	29.8	31.2	29.6	29.2	30.6	29.9	30.5
Total Delay (hr)	8.7	9.5	8.6	8.2	9.6	8.8	9.2
Total Stops	897	923	910	841	903	828	899
Fuel Used (gal)	24.8	25.6	24.7	24.4	24.8	24.4	24.9

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1032	999	997	990
Vehs Exited	1026	1008	983	984
Starting Vehs	135	114	115	119
Ending Vehs	141	105	129	121
Travel Distance (mi)	731	701	692	697
Travel Time (hr)	32.0	30.7	29.9	30.3
Total Delay (hr)	9.6	9.3	8.8	9.0
Total Stops	982	938	861	899
Fuel Used (gal)	26.3	25.0	24.9	25.0

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	854	953	909	895	953	925	907
Vehs Exited	928	964	890	912	983	944	916
Starting Vehs	145	128	91	122	138	127	121
Ending Vehs	71	117	110	105	108	108	112
Travel Distance (mi)	637	687	640	646	689	664	650
Travel Time (hr)	27.1	29.6	28.2	27.4	29.3	29.0	27.6
Total Delay (hr)	7.7	8.6	8.7	7.7	8.3	8.7	7.7
Total Stops	793	871	841	804	826	841	799
Fuel Used (gal)	22.7	24.6	22.9	23.3	24.6	24.0	23.4

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	907	909	980	918
Vehs Exited	947	891	984	936
Starting Vehs	141	105	129	121
Ending Vehs	101	123	125	106
Travel Distance (mi)	651	648	700	661
Travel Time (hr)	27.7	27.7	30.8	28.4
Total Delay (hr)	7.7	8.0	9.4	8.3
Total Stops	774	798	862	822
Fuel Used (gal)	23.3	23.3	25.0	23.7

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	852	977	853	944	933	953	857
Vehs Exited	830	978	870	936	924	953	869
Starting Vehs	71	117	110	105	108	108	112
Ending Vehs	93	116	93	113	117	108	100
Travel Distance (mi)	602	686	615	670	667	687	601
Travel Time (hr)	25.5	30.1	25.7	29.5	28.9	29.6	25.9
Total Delay (hr)	7.1	9.2	7.0	8.9	8.5	8.7	7.5
Total Stops	771	894	751	897	850	873	751
Fuel Used (gal)	21.6	25.1	22.1	24.1	23.8	24.6	21.9

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	923	871	950	911
Vehs Exited	917	901	958	914
Starting Vehs	101	123	125	106
Ending Vehs	107	93	117	104
Travel Distance (mi)	652	622	675	648
Travel Time (hr)	28.1	26.8	29.0	27.9
Total Delay (hr)	8.1	7.9	8.4	8.1
Total Stops	823	764	880	826
Fuel Used (gal)	23.5	22.1	24.3	23.3

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.1	0.0	0.0	0.1	0.3	0.6
Denied Del/Veh (s)	1.1	0.5	0.0	0.0	0.5	2.3	0.7
Total Delay (hr)	1.5	4.6	0.5	2.2	3.7	1.0	13.6
Total Del/Veh (s)	38.5	40.9	56.4	9.1	13.0	7.1	16.2
Stop Delay (hr)	1.3	4.0	0.5	1.1	2.3	0.4	9.5
Stop Del/Veh (s)	32.3	35.4	53.7	4.3	8.1	2.6	11.3

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	2.5	0.1	0.8	0.0	1.5	0.8	5.8
Total Del/Veh (s)	22.7	17.3	5.7	1.0	7.6	6.1	9.1
Stop Delay (hr)	2.2	0.1	0.4	0.0	0.5	0.0	3.3
Stop Del/Veh (s)	19.9	17.3	2.9	0.0	2.6	0.1	5.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	WBL	WBR	NBU	NBT	NBR	SBU	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	4.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Total Delay (hr)	0.1	0.1	0.0	0.4	0.0	0.0	0.0	0.4	1.0
Total Del/Veh (s)	17.0	5.5	4.3	2.2	1.8	5.1	6.6	1.9	2.4
Stop Delay (hr)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	15.8	5.2	3.6	0.4	0.3	3.3	3.2	0.1	0.6

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.0	0.5	2.9	2.6	0.7	2.6	2.4	0.1	0.2	0.0	0.0	0.0
Total Delay (hr)	0.6	1.0	0.1	0.4	0.9	0.5	0.3	1.7	0.1	0.1	2.2	1.2
Total Del/Veh (s)	25.8	19.7	5.2	28.4	22.7	7.6	27.2	19.9	10.9	28.8	28.8	12.5
Stop Delay (hr)	0.6	0.7	0.1	0.3	0.7	0.3	0.3	1.3	0.1	0.1	1.8	0.7
Stop Del/Veh (s)	22.6	13.8	3.6	24.9	16.2	5.1	24.5	14.5	9.2	25.2	23.7	7.6

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.4
Denied Del/Veh (s)	0.0	0.8
Total Delay (hr)	0.2	9.4
Total Del/Veh (s)	7.8	17.9
Stop Delay (hr)	0.1	7.1
Stop Del/Veh (s)	6.0	13.5

Total Network Performance

Denied Delay (hr)	1.1
Denied Del/Veh (s)	1.0
Total Delay (hr)	32.1
Total Del/Veh (s)	30.1
Stop Delay (hr)	20.3
Stop Del/Veh (s)	19.0

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	133	264	248	82	198	195	180	175	209	166
Average Queue (ft)	47	141	137	27	81	75	89	76	90	51
95th Queue (ft)	101	223	214	63	157	161	156	153	175	113
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)		0							1	
Queuing Penalty (veh)		1							3	

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	159	164	55	103	104	165	133	90
Average Queue (ft)	85	84	13	46	47	68	47	5
95th Queue (ft)	134	137	40	86	84	138	107	37
Link Distance (ft)	1095	1095		593	593	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	WB	WB	NB	SB
Directions Served	L	R	UL	UL
Maximum Queue (ft)	39	48	17	64
Average Queue (ft)	10	20	1	21
95th Queue (ft)	33	42	8	49
Link Distance (ft)		534		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	165		215	220
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	100	152	73	74	147	122	65	101	129	250	148	149
Average Queue (ft)	50	72	28	31	68	56	25	49	66	133	50	64
95th Queue (ft)	88	127	58	64	118	92	55	86	114	220	109	121
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)		4		0	6	2				1	0	
Queuing Penalty (veh)		6		0	17	3				2	0	

Network Summary

Network wide Queuing Penalty: 32

Appendix D

Analysis Worksheets for
Existing (2025) plus Project

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3729	3669	3727	3596	3703	3642	3664
Vehs Exited	3715	3686	3728	3590	3725	3646	3701
Starting Vehs	98	123	117	120	134	118	132
Ending Vehs	112	106	116	126	112	114	95
Travel Distance (mi)	2580	2540	2582	2496	2576	2525	2549
Travel Time (hr)	119.9	115.2	125.0	115.5	117.6	119.4	118.3
Total Delay (hr)	39.9	36.3	44.9	38.2	38.0	41.0	39.2
Total Stops	4164	4024	4238	4100	4151	4243	4167
Fuel Used (gal)	96.2	94.6	97.4	93.5	97.2	95.6	95.3

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3567	3714	3571	3659
Vehs Exited	3560	3712	3598	3666
Starting Vehs	113	111	134	117
Ending Vehs	120	113	107	109
Travel Distance (mi)	2453	2565	2483	2535
Travel Time (hr)	115.7	124.1	120.4	119.1
Total Delay (hr)	39.3	44.4	43.2	40.4
Total Stops	4099	4143	4180	4150
Fuel Used (gal)	92.5	97.4	94.4	95.4

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	897	904	901	826	869	855	896
Vehs Exited	856	919	903	858	884	837	929
Starting Vehs	98	123	117	120	134	118	132
Ending Vehs	139	108	115	88	119	136	99
Travel Distance (mi)	613	636	628	585	615	590	650
Travel Time (hr)	27.8	28.5	30.7	26.8	27.6	27.7	29.9
Total Delay (hr)	8.8	8.7	11.1	8.6	8.6	9.2	9.8
Total Stops	987	958	1091	961	966	1020	1038
Fuel Used (gal)	22.7	23.7	24.0	22.3	23.0	22.3	24.5

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	789	850	888	866
Vehs Exited	801	853	911	876
Starting Vehs	113	111	134	117
Ending Vehs	101	108	111	110
Travel Distance (mi)	554	591	630	609
Travel Time (hr)	24.6	27.1	30.5	28.1
Total Delay (hr)	7.5	8.8	10.9	9.2
Total Stops	878	919	1002	979
Fuel Used (gal)	20.6	22.3	23.8	22.9

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1055	1045	1087	1040	1030	1022	1096
Vehs Exited	1051	1027	1055	988	1009	1027	1085
Starting Vehs	139	108	115	88	119	136	99
Ending Vehs	143	126	147	140	140	131	110
Travel Distance (mi)	708	700	739	695	692	707	746
Travel Time (hr)	33.7	32.6	37.4	33.5	32.5	35.6	36.4
Total Delay (hr)	11.8	10.9	14.7	12.0	11.1	13.8	13.3
Total Stops	1183	1159	1232	1196	1150	1207	1302
Fuel Used (gal)	26.6	26.2	28.1	25.9	26.2	27.1	28.1

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1080	1072	1065	1061
Vehs Exited	1047	1026	1031	1034
Starting Vehs	101	108	111	110
Ending Vehs	134	154	145	135
Travel Distance (mi)	719	709	703	712
Travel Time (hr)	35.0	35.9	36.3	34.9
Total Delay (hr)	12.6	13.9	14.5	12.9
Total Stops	1275	1114	1276	1208
Fuel Used (gal)	27.3	27.2	27.4	27.0

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	912	856	856	847	906	909	841
Vehs Exited	943	864	892	866	945	936	842
Starting Vehs	143	126	147	140	140	131	110
Ending Vehs	112	118	111	121	101	104	109
Travel Distance (mi)	650	597	609	598	644	639	573
Travel Time (hr)	31.5	27.0	29.1	27.4	29.4	29.3	25.8
Total Delay (hr)	11.3	8.4	10.2	8.8	9.4	9.6	7.9
Total Stops	1088	981	953	989	1050	1052	914
Fuel Used (gal)	24.6	22.4	22.9	22.4	24.6	23.9	21.2

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	836	909	842	868
Vehs Exited	877	949	885	899
Starting Vehs	134	154	145	135
Ending Vehs	93	114	102	104
Travel Distance (mi)	603	654	613	618
Travel Time (hr)	29.4	32.3	29.4	29.1
Total Delay (hr)	10.6	11.9	10.3	9.8
Total Stops	987	1085	1035	1012
Fuel Used (gal)	23.0	25.0	23.4	23.3

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	865	864	883	883	898	856	831
Vehs Exited	865	876	878	878	887	846	845
Starting Vehs	112	118	111	121	101	104	109
Ending Vehs	112	106	116	126	112	114	95
Travel Distance (mi)	609	607	606	617	624	588	580
Travel Time (hr)	26.9	27.0	27.8	27.9	28.2	26.7	26.3
Total Delay (hr)	8.0	8.2	8.9	8.8	9.0	8.5	8.1
Total Stops	906	926	962	954	985	964	913
Fuel Used (gal)	22.3	22.2	22.4	22.9	23.5	22.3	21.4

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	862	883	776	858
Vehs Exited	835	884	771	857
Starting Vehs	93	114	102	104
Ending Vehs	120	113	107	109
Travel Distance (mi)	578	612	538	596
Travel Time (hr)	26.7	28.9	24.2	27.0
Total Delay (hr)	8.6	9.9	7.5	8.5
Total Stops	959	1025	867	945
Fuel Used (gal)	21.7	23.0	19.9	22.2

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.1	0.0	0.0	0.0	0.2	0.4
Denied Del/Veh (s)	1.0	0.7	0.0	0.0	0.3	2.8	0.5
Total Delay (hr)	1.5	4.9	1.9	4.4	3.6	0.4	16.5
Total Del/Veh (s)	33.6	35.8	45.4	15.3	20.4	5.6	22.0
Stop Delay (hr)	1.2	4.0	1.7	2.5	2.7	0.2	12.3
Stop Del/Veh (s)	26.9	29.8	40.6	8.6	15.4	3.5	16.4

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	2.6	0.6	1.5	0.1	1.1	0.4	6.4
Total Del/Veh (s)	21.9	19.1	7.2	1.4	7.9	5.5	9.8
Stop Delay (hr)	2.3	0.6	0.8	0.0	0.5	0.0	4.1
Stop Del/Veh (s)	18.8	18.1	3.7	0.2	3.4	0.1	6.3

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	3.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	3.1	0.0	0.1	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.3
Total Del/Veh (s)	52.4	0.5	4.8	15.2	9.7	7.0	8.8	2.5	1.9	5.1	6.6	2.6
Stop Delay (hr)	3.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	52.7	0.2	4.2	14.1	9.5	4.9	5.6	0.3	0.4	4.4	4.2	0.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.0
Denied Del/Veh (s)	0.0	0.0
Total Delay (hr)	0.2	4.4
Total Del/Veh (s)	2.7	9.1
Stop Delay (hr)	0.0	3.5
Stop Del/Veh (s)	0.2	7.1

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.0	0.5	3.1	2.7	0.8	2.6	2.2	0.2	0.2	0.0	0.1	0.0
Total Delay (hr)	0.7	0.7	0.1	0.2	1.0	0.9	0.5	2.4	0.1	0.1	1.1	0.9
Total Del/Veh (s)	25.5	16.7	4.1	30.6	21.8	9.7	27.0	20.4	12.1	25.7	24.4	13.4
Stop Delay (hr)	0.6	0.5	0.0	0.2	0.7	0.6	0.4	1.7	0.1	0.1	0.9	0.6
Stop Del/Veh (s)	22.4	11.4	2.6	26.8	14.8	6.8	23.7	14.5	10.1	24.0	21.2	9.1

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	1.0
Total Delay (hr)	0.1	8.6
Total Del/Veh (s)	7.4	17.4
Stop Delay (hr)	0.1	6.5
Stop Del/Veh (s)	5.7	13.1

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.3	0.1
Total Delay (hr)	0.0	0.0	0.0	1.4	1.4
Total Del/Veh (s)	0.2	0.4	0.7	19.5	9.2
Stop Delay (hr)	0.0	0.0	0.0	1.3	1.3
Stop Del/Veh (s)	0.0	0.2	0.1	17.9	8.1

Total Network Performance

Denied Delay (hr)	0.9
Denied Del/Veh (s)	0.9
Total Delay (hr)	39.5
Total Del/Veh (s)	37.7
Stop Delay (hr)	27.7
Stop Del/Veh (s)	26.4

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	185	292	267	204	317	310	156	155	171	104
Average Queue (ft)	57	163	157	103	142	141	73	77	72	30
95th Queue (ft)	138	246	234	180	256	262	138	140	145	71
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	0			0				0	
Queuing Penalty (veh)	0	1			0				1	

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	169	178	134	144	148	156	167	34
Average Queue (ft)	90	90	55	71	70	45	48	1
95th Queue (ft)	147	151	110	120	120	112	120	16
Link Distance (ft)	1095	1095		581	581	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	R	UL	TR	UL	T	TR
Maximum Queue (ft)	246	73	22	31	87	6	43	4	56
Average Queue (ft)	135	31	2	7	29	0	9	0	5
95th Queue (ft)	234	60	13	26	65	5	30	3	27
Link Distance (ft)	194	194		534		650		581	581
Upstream Blk Time (%)	12								
Queuing Penalty (veh)	16								
Storage Bay Dist (ft)			165		215		220		
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	112	137	66	57	155	152	100	156	158	179	97	110
Average Queue (ft)	57	58	22	21	71	74	37	74	78	79	33	49
95th Queue (ft)	97	111	51	51	128	125	76	126	132	145	75	92
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	0	2	0	0	7	6	0	0		0		
Queuing Penalty (veh)	0	3	0	0	23	12	0	0		0		

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB
Directions Served	L
Maximum Queue (ft)	248
Average Queue (ft)	77
95th Queue (ft)	216
Link Distance (ft)	414
Upstream Blk Time (%)	0
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 56

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	4178	4235	4219	4260	4182	4273	4218
Vehs Exited	4169	4218	4209	4285	4182	4256	4242
Starting Vehs	107	123	119	140	138	120	140
Ending Vehs	116	140	129	115	138	137	116
Travel Distance (mi)	2886	2895	2898	2974	2854	2945	2919
Travel Time (hr)	134.0	132.6	137.9	139.7	133.3	136.4	138.4
Total Delay (hr)	44.2	42.5	47.5	47.3	44.3	44.7	47.7
Total Stops	4239	4415	4390	4457	4342	4492	4430
Fuel Used (gal)	107.0	107.7	108.8	110.4	107.3	110.0	110.0

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	4135	4302	4151	4213
Vehs Exited	4127	4297	4170	4216
Starting Vehs	120	129	138	127
Ending Vehs	128	134	119	130
Travel Distance (mi)	2862	2947	2886	2907
Travel Time (hr)	131.2	136.6	132.0	135.2
Total Delay (hr)	42.2	44.9	42.0	44.7
Total Stops	4189	4466	4236	4364
Fuel Used (gal)	106.9	110.5	106.7	108.5

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1027	1069	1057	994	1023	1030	1042
Vehs Exited	1016	1046	1040	1016	1007	1030	1067
Starting Vehs	107	123	119	140	138	120	140
Ending Vehs	118	146	136	118	154	120	115
Travel Distance (mi)	711	723	725	708	687	709	730
Travel Time (hr)	32.0	33.0	33.6	32.6	31.6	33.0	33.9
Total Delay (hr)	9.9	10.6	11.1	10.6	10.1	10.8	11.3
Total Stops	1025	1111	1087	1039	1020	1089	1109
Fuel Used (gal)	26.1	26.8	27.2	26.0	25.8	26.6	27.5

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	928	1090	1010	1024
Vehs Exited	918	1078	1044	1025
Starting Vehs	120	129	138	127
Ending Vehs	130	141	104	125
Travel Distance (mi)	645	743	720	710
Travel Time (hr)	28.9	34.3	33.0	32.6
Total Delay (hr)	8.9	11.1	10.5	10.5
Total Stops	912	1118	1053	1055
Fuel Used (gal)	24.0	28.0	26.7	26.5

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1079	1112	1134	1118	1093	1123	1138
Vehs Exited	1057	1103	1104	1092	1111	1103	1107
Starting Vehs	118	146	136	118	154	120	115
Ending Vehs	140	155	166	144	136	140	146
Travel Distance (mi)	727	754	765	765	749	763	770
Travel Time (hr)	32.8	34.6	37.2	36.8	36.6	35.8	36.0
Total Delay (hr)	10.2	11.2	13.4	13.2	13.2	12.2	12.1
Total Stops	1067	1141	1191	1196	1183	1181	1152
Fuel Used (gal)	26.9	28.1	28.8	28.5	28.6	28.6	28.8

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1118	1125	1127	1114
Vehs Exited	1112	1126	1086	1100
Starting Vehs	130	141	104	125
Ending Vehs	136	140	145	143
Travel Distance (mi)	765	753	765	758
Travel Time (hr)	35.7	34.6	35.8	35.6
Total Delay (hr)	12.0	11.2	12.0	12.1
Total Stops	1146	1145	1140	1152
Fuel Used (gal)	28.5	28.1	28.5	28.3

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1019	1025	1004	1117	1038	1026	1033
Vehs Exited	1041	1079	1058	1108	1051	1043	1057
Starting Vehs	140	155	166	144	136	140	146
Ending Vehs	118	101	112	153	123	123	122
Travel Distance (mi)	713	726	711	769	711	711	712
Travel Time (hr)	32.5	33.0	34.6	37.0	33.3	32.0	35.7
Total Delay (hr)	10.3	10.4	12.4	13.0	11.1	9.9	13.5
Total Stops	1065	1096	1052	1180	1102	1069	1112
Fuel Used (gal)	26.3	27.1	27.2	28.8	26.5	26.5	27.5

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1006	1023	1031	1031
Vehs Exited	1019	1017	1052	1053
Starting Vehs	136	140	145	143
Ending Vehs	123	146	124	120
Travel Distance (mi)	710	707	716	719
Travel Time (hr)	32.9	33.0	32.3	33.6
Total Delay (hr)	10.8	11.1	10.0	11.2
Total Stops	1055	1108	1027	1085
Fuel Used (gal)	26.7	26.5	26.4	27.0

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1053	1029	1024	1031	1028	1094	1005
Vehs Exited	1055	990	1007	1069	1013	1080	1011
Starting Vehs	118	101	112	153	123	123	122
Ending Vehs	116	140	129	115	138	137	116
Travel Distance (mi)	735	692	697	732	706	762	708
Travel Time (hr)	36.6	32.0	32.4	33.3	31.8	35.6	32.8
Total Delay (hr)	13.7	10.3	10.7	10.5	9.8	11.9	10.9
Total Stops	1082	1067	1060	1042	1037	1153	1057
Fuel Used (gal)	27.6	25.7	25.6	27.1	26.4	28.2	26.2

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1083	1064	983	1041
Vehs Exited	1078	1076	988	1035
Starting Vehs	123	146	124	120
Ending Vehs	128	134	119	130
Travel Distance (mi)	743	744	685	720
Travel Time (hr)	33.7	34.6	31.0	33.4
Total Delay (hr)	10.5	11.5	9.5	10.9
Total Stops	1076	1095	1016	1071
Fuel Used (gal)	27.8	27.9	25.2	26.8

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.1	0.1	0.0	0.0	0.1	0.3	0.6
Denied Del/Veh (s)	1.0	0.6	0.0	0.0	0.4	2.3	0.7
Total Delay (hr)	2.3	4.9	1.4	2.9	5.2	1.2	18.1
Total Del/Veh (s)	40.9	42.0	51.9	11.2	17.8	8.6	20.1
Stop Delay (hr)	2.0	4.2	1.3	1.5	3.5	0.6	13.2
Stop Del/Veh (s)	34.3	36.1	47.9	5.8	12.0	4.2	14.6

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	2.6	0.5	1.1	0.1	1.7	0.8	6.8
Total Del/Veh (s)	22.7	19.4	6.3	1.3	7.7	6.6	9.3
Stop Delay (hr)	2.3	0.4	0.6	0.0	0.5	0.0	3.8
Stop Del/Veh (s)	19.7	18.8	3.3	0.2	2.2	0.1	5.2

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	1.6	0.0	0.6	4.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Total Delay (hr)	2.7	0.0	0.1	0.1	0.1	0.0	0.1	0.4	0.0	0.0	0.1	0.6
Total Del/Veh (s)	54.1	1.9	6.2	22.8	8.5	7.0	10.4	2.4	1.8	5.6	7.1	3.3
Stop Delay (hr)	2.7	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	54.2	1.5	5.7	21.4	8.3	5.6	7.6	0.4	0.3	3.9	3.8	0.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.1
Denied Del/Veh (s)	0.0	0.2
Total Delay (hr)	0.1	4.4
Total Del/Veh (s)	2.9	8.3
Stop Delay (hr)	0.0	3.2
Stop Del/Veh (s)	0.1	6.0

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	2.9	0.5	3.0	2.5	0.7	2.6	2.5	0.2	0.2	0.0	0.0	0.0
Total Delay (hr)	0.8	1.1	0.1	0.4	1.0	0.6	0.3	2.0	0.2	0.2	2.5	1.4
Total Del/Veh (s)	27.8	20.5	5.2	28.6	23.1	7.8	28.9	22.0	13.2	33.3	30.7	14.0
Stop Delay (hr)	0.7	0.8	0.1	0.3	0.7	0.4	0.3	1.5	0.1	0.1	2.1	0.9
Stop Del/Veh (s)	24.4	14.5	3.4	25.0	16.6	5.3	26.1	16.4	11.3	29.5	25.5	8.8

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	0.8
Total Delay (hr)	0.3	10.7
Total Del/Veh (s)	9.6	19.3
Stop Delay (hr)	0.2	8.1
Stop Del/Veh (s)	6.9	14.7

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.2	0.1
Total Delay (hr)	0.0	0.0	0.0	1.0	1.0
Total Del/Veh (s)	0.2	0.2	0.5	15.3	7.8
Stop Delay (hr)	0.0	0.0	0.0	0.9	0.9
Stop Del/Veh (s)	0.0	0.1	0.1	13.4	6.7

Total Network Performance

Denied Delay (hr)	1.2
Denied Del/Veh (s)	1.0
Total Delay (hr)	43.5
Total Del/Veh (s)	36.0
Stop Delay (hr)	29.3
Stop Del/Veh (s)	24.3

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	213	282	276	158	231	242	228	239	238	200
Average Queue (ft)	74	160	153	72	107	104	112	112	109	64
95th Queue (ft)	150	242	235	135	206	211	192	199	191	134
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	0							1	0
Queuing Penalty (veh)	0	1							6	0

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	169	169	101	110	119	174	163	45
Average Queue (ft)	87	87	41	56	54	63	58	2
95th Queue (ft)	140	141	84	95	94	137	132	26
Link Distance (ft)	1095	1095		581	581	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	R	UL	TR	UL	T	TR
Maximum Queue (ft)	190	62	37	57	68	6	65	7	23
Average Queue (ft)	114	31	8	21	21	0	18	0	1
95th Queue (ft)	199	54	30	47	52	4	46	5	11
Link Distance (ft)	185	185		534		650		581	581
Upstream Blk Time (%)	10								
Queuing Penalty (veh)	11								
Storage Bay Dist (ft)			165		215		220		
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	106	168	67	78	142	117	73	120	134	258	165	157
Average Queue (ft)	54	80	26	35	67	57	25	60	70	143	56	73
95th Queue (ft)	94	141	58	67	118	95	57	99	117	233	121	132
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	0	5		0	7	2		0		2	0	
Queuing Penalty (veh)	0	9		0	20	4		0		4	0	

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB
Directions Served	L
Maximum Queue (ft)	183
Average Queue (ft)	61
95th Queue (ft)	164
Link Distance (ft)	385
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 55

Appendix E

Analysis Worksheets for Cumulative (2045)

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3349	3263	3252	3220	3355	3316	3302
Vehs Exited	3354	3255	3274	3237	3366	3322	3294
Starting Vehs	110	78	107	108	99	93	100
Ending Vehs	105	86	85	91	88	87	108
Travel Distance (mi)	2425	2366	2394	2350	2440	2409	2407
Travel Time (hr)	104.5	102.4	105.4	102.2	106.7	104.4	105.2
Total Delay (hr)	31.2	30.8	33.3	31.3	33.0	31.5	32.6
Total Stops	3118	3077	3137	3082	3189	3129	3210
Fuel Used (gal)	85.7	84.4	85.4	83.7	86.8	86.0	86.2

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3294	3381	3252	3296
Vehs Exited	3295	3369	3266	3304
Starting Vehs	99	105	117	97
Ending Vehs	98	117	103	96
Travel Distance (mi)	2390	2444	2389	2401
Travel Time (hr)	104.1	106.4	103.2	104.4
Total Delay (hr)	31.7	32.6	31.0	31.9
Total Stops	3095	3254	3014	3132
Fuel Used (gal)	85.8	87.8	84.8	85.7

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	826	815	823	811	812	843	811
Vehs Exited	829	775	826	821	795	834	803
Starting Vehs	110	78	107	108	99	93	100
Ending Vehs	107	118	104	98	116	102	108
Travel Distance (mi)	597	564	603	602	579	608	587
Travel Time (hr)	25.7	24.4	26.5	26.8	25.4	26.2	25.6
Total Delay (hr)	7.7	7.3	8.4	8.5	7.9	7.9	7.9
Total Stops	779	738	772	793	784	791	752
Fuel Used (gal)	21.1	20.2	21.4	21.5	20.6	21.5	21.1

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	769	830	773	809
Vehs Exited	773	822	793	805
Starting Vehs	99	105	117	97
Ending Vehs	95	113	97	102
Travel Distance (mi)	564	597	582	588
Travel Time (hr)	24.3	25.8	25.5	25.6
Total Delay (hr)	7.3	7.7	7.9	7.9
Total Stops	689	793	778	769
Fuel Used (gal)	20.2	21.3	20.5	20.9

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	874	859	884	848	907	828	925
Vehs Exited	889	885	899	839	916	826	913
Starting Vehs	107	118	104	98	116	102	108
Ending Vehs	92	92	89	107	107	104	120
Travel Distance (mi)	636	631	652	611	663	598	667
Travel Time (hr)	27.5	27.7	28.7	26.8	29.2	25.9	29.4
Total Delay (hr)	8.1	8.6	9.1	8.4	9.1	7.8	9.4
Total Stops	819	844	850	829	861	804	940
Fuel Used (gal)	22.8	22.3	23.1	21.8	23.8	21.4	23.8

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	908	892	892	881
Vehs Exited	894	884	869	880
Starting Vehs	95	113	97	102
Ending Vehs	109	121	120	103
Travel Distance (mi)	664	646	639	641
Travel Time (hr)	29.8	28.3	27.3	28.1
Total Delay (hr)	9.6	8.9	8.0	8.7
Total Stops	914	875	802	855
Fuel Used (gal)	23.9	23.3	22.8	22.9

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	830	828	781	783	816	820	771
Vehs Exited	814	824	782	800	828	830	804
Starting Vehs	92	92	89	107	107	104	120
Ending Vehs	108	96	88	90	95	94	87
Travel Distance (mi)	590	606	571	575	604	603	579
Travel Time (hr)	25.4	26.3	25.6	24.5	26.3	26.2	25.3
Total Delay (hr)	7.6	7.9	8.4	7.3	8.0	8.0	7.8
Total Stops	739	786	786	716	788	751	746
Fuel Used (gal)	20.6	21.8	20.7	20.4	21.4	21.5	20.8

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	819	839	798	806
Vehs Exited	833	862	812	818
Starting Vehs	109	121	120	103
Ending Vehs	95	98	106	96
Travel Distance (mi)	593	615	583	592
Travel Time (hr)	25.7	27.0	25.6	25.8
Total Delay (hr)	7.7	8.4	7.8	7.9
Total Stops	759	821	738	761
Fuel Used (gal)	21.2	22.1	20.9	21.1

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	819	761	764	778	820	825	795
Vehs Exited	822	771	767	777	827	832	774
Starting Vehs	108	96	88	90	95	94	87
Ending Vehs	105	86	85	91	88	87	108
Travel Distance (mi)	601	564	568	562	595	600	575
Travel Time (hr)	25.8	24.0	24.5	24.1	25.8	26.1	24.8
Total Delay (hr)	7.7	7.0	7.4	7.1	7.8	7.8	7.5
Total Stops	781	709	729	744	756	783	772
Fuel Used (gal)	21.3	20.0	20.2	20.1	21.0	21.6	20.5

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	798	820	789	795
Vehs Exited	795	801	792	797
Starting Vehs	95	98	106	96
Ending Vehs	98	117	103	96
Travel Distance (mi)	569	587	586	581
Travel Time (hr)	24.3	25.3	24.9	25.0
Total Delay (hr)	7.1	7.6	7.3	7.4
Total Stops	733	765	696	746
Fuel Used (gal)	20.5	21.1	20.7	20.7

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.1	0.0	0.0	0.1	0.2	0.3
Denied Del/Veh (s)	0.8	0.5	0.0	0.0	0.3	2.8	0.5
Total Delay (hr)	0.7	5.1	1.0	2.6	2.9	0.3	12.6
Total Del/Veh (s)	35.5	36.6	44.0	9.1	15.7	4.6	17.5
Stop Delay (hr)	0.6	4.3	0.9	1.2	2.1	0.2	9.2
Stop Del/Veh (s)	29.4	30.7	40.4	4.2	11.4	2.6	12.9

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	4.0	0.3	1.1	0.0	0.7	0.4	6.6
Total Del/Veh (s)	34.3	26.5	5.7	1.0	5.9	5.4	11.7
Stop Delay (hr)	3.6	0.3	0.6	0.0	0.2	0.0	4.7
Stop Del/Veh (s)	30.7	26.3	3.1	0.0	1.9	0.1	8.3

3: 12th Ave & Hayden Ave Performance by movement

Movement	WBL	WBR	NBU	NBT	NBR	SBU	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	4.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	0.8
Total Del/Veh (s)	15.6	5.9	3.1	2.3	2.0	5.2	6.8	1.4	2.2
Stop Delay (hr)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
Stop Del/Veh (s)	14.2	5.8	2.0	0.3	0.3	4.3	4.3	0.1	0.5

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.0	0.6	3.0	2.6	0.8	2.5	2.3	0.2	0.2	0.0	0.0	0.0
Total Delay (hr)	0.9	0.8	0.1	0.2	1.0	0.7	0.5	2.2	0.1	0.2	1.1	1.0
Total Del/Veh (s)	28.2	17.6	4.4	27.2	21.4	9.1	27.0	18.2	11.6	29.9	29.1	14.1
Stop Delay (hr)	0.8	0.5	0.1	0.2	0.7	0.5	0.5	1.5	0.1	0.1	1.0	0.7
Stop Del/Veh (s)	24.9	12.1	2.9	23.9	14.7	6.2	23.8	12.6	9.5	27.5	25.3	9.4

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	1.0
Total Delay (hr)	0.1	9.0
Total Del/Veh (s)	8.2	17.6
Stop Delay (hr)	0.1	6.8
Stop Del/Veh (s)	6.9	13.2

Total Network Performance

Denied Delay (hr)	0.9
Denied Del/Veh (s)	1.0
Total Delay (hr)	31.0
Total Del/Veh (s)	32.8
Stop Delay (hr)	21.0
Stop Del/Veh (s)	22.3

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	125	264	256	131	252	253	159	163	164	108
Average Queue (ft)	24	154	150	57	87	79	70	60	70	27
95th Queue (ft)	73	236	229	110	175	178	130	127	135	68
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	0							0	
Queuing Penalty (veh)	0	1							1	

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	202	192	85	162	142	128	112	40
Average Queue (ft)	113	112	27	63	62	36	24	2
95th Queue (ft)	176	176	66	122	114	93	75	18
Link Distance (ft)	1095	1095		593	593	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	WB	WB	NB	SB
Directions Served	L	R	UL	UL
Maximum Queue (ft)	30	27	25	48
Average Queue (ft)	8	8	3	14
95th Queue (ft)	29	27	16	39
Link Distance (ft)		534		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	165		215	220
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	118	138	79	66	154	131	102	131	145	204	120	133
Average Queue (ft)	60	65	25	25	70	68	41	65	77	85	45	56
95th Queue (ft)	104	118	58	56	123	111	81	113	128	158	96	110
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	0	3	0		6	4		0		0		
Queuing Penalty (veh)	0	5	0		20	9		0		0		

Network Summary

Network wide Queuing Penalty: 36

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	4314	4270	4313	4313	4338	4311	4240
Vehs Exited	4314	4256	4317	4325	4352	4261	4274
Starting Vehs	129	123	135	127	150	103	151
Ending Vehs	129	137	131	115	136	153	117
Travel Distance (mi)	3079	3085	3102	3104	3131	3083	3025
Travel Time (hr)	142.3	141.7	139.0	142.2	142.1	141.9	138.2
Total Delay (hr)	48.3	47.6	44.3	47.5	46.7	47.6	45.6
Total Stops	4343	4221	4088	4246	4317	4198	4229
Fuel Used (gal)	111.6	111.2	111.8	111.8	112.7	111.8	109.7

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	4301	4278	4339	4301
Vehs Exited	4282	4287	4313	4298
Starting Vehs	126	133	138	133
Ending Vehs	145	124	164	132
Travel Distance (mi)	3091	3081	3092	3087
Travel Time (hr)	140.7	139.7	142.8	141.1
Total Delay (hr)	46.5	45.7	48.2	46.8
Total Stops	4184	4119	4281	4220
Fuel Used (gal)	111.0	111.1	111.5	111.4

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1065	1064	1061	1062	1068	1054	1068
Vehs Exited	1034	1028	1059	1073	1066	1021	1099
Starting Vehs	129	123	135	127	150	103	151
Ending Vehs	160	159	137	116	152	136	120
Travel Distance (mi)	724	757	764	773	780	748	776
Travel Time (hr)	33.2	34.5	34.2	35.3	35.6	34.5	36.7
Total Delay (hr)	11.0	11.5	10.9	11.7	11.9	11.6	13.0
Total Stops	1013	1063	1001	1095	1053	1013	1128
Fuel Used (gal)	26.4	27.0	27.7	28.3	28.0	27.1	28.2

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1064	1057	1022	1057
Vehs Exited	1054	1054	1035	1050
Starting Vehs	126	133	138	133
Ending Vehs	136	136	125	136
Travel Distance (mi)	765	752	740	758
Travel Time (hr)	35.0	33.6	34.6	34.7
Total Delay (hr)	11.6	10.6	12.1	11.6
Total Stops	1041	966	1051	1040
Fuel Used (gal)	27.3	27.0	27.0	27.4

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1129	1114	1140	1143	1144	1154	1172
Vehs Exited	1138	1118	1137	1096	1141	1125	1120
Starting Vehs	160	159	137	116	152	136	120
Ending Vehs	151	155	140	163	155	165	172
Travel Distance (mi)	833	804	816	804	821	818	807
Travel Time (hr)	39.9	36.9	37.5	36.8	37.4	38.2	37.8
Total Delay (hr)	14.5	12.4	12.5	12.3	12.5	13.2	13.2
Total Stops	1258	1103	1113	1093	1177	1111	1200
Fuel Used (gal)	30.5	29.2	29.5	28.7	29.6	29.7	29.4

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1191	1140	1190	1151
Vehs Exited	1165	1128	1144	1131
Starting Vehs	136	136	125	136
Ending Vehs	162	148	171	156
Travel Distance (mi)	849	813	828	819
Travel Time (hr)	40.1	38.7	38.6	38.2
Total Delay (hr)	14.2	13.9	13.3	13.2
Total Stops	1209	1156	1153	1155
Fuel Used (gal)	30.7	30.1	29.8	29.7

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1061	1017	1073	1061	1093	1046	1005
Vehs Exited	1053	1027	1079	1100	1108	1060	1060
Starting Vehs	151	155	140	163	155	165	172
Ending Vehs	159	145	134	124	140	151	117
Travel Distance (mi)	747	741	759	778	792	759	737
Travel Time (hr)	33.9	34.5	33.7	36.3	36.5	34.6	33.0
Total Delay (hr)	11.1	11.9	10.6	12.6	12.3	11.4	10.4
Total Stops	1020	1017	1010	1032	1117	1034	1001
Fuel Used (gal)	26.8	26.9	27.2	28.1	28.9	27.5	26.9

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1035	1045	1074	1050
Vehs Exited	1079	1053	1105	1072
Starting Vehs	162	148	171	156
Ending Vehs	118	140	140	138
Travel Distance (mi)	763	759	787	762
Travel Time (hr)	34.4	33.8	36.1	34.7
Total Delay (hr)	11.1	10.7	12.0	11.4
Total Stops	1008	989	1046	1029
Fuel Used (gal)	27.3	27.2	28.1	27.5

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1059	1075	1039	1047	1033	1057	995
Vehs Exited	1089	1083	1042	1056	1037	1055	995
Starting Vehs	159	145	134	124	140	151	117
Ending Vehs	129	137	131	115	136	153	117
Travel Distance (mi)	775	783	763	749	737	758	705
Travel Time (hr)	35.4	35.8	33.7	33.8	32.5	34.5	30.6
Total Delay (hr)	11.7	11.8	10.4	10.9	10.0	11.4	9.1
Total Stops	1052	1038	964	1026	970	1040	900
Fuel Used (gal)	28.0	28.1	27.4	26.6	26.2	27.4	25.2

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1011	1036	1053	1040
Vehs Exited	984	1052	1029	1040
Starting Vehs	118	140	140	138
Ending Vehs	145	124	164	132
Travel Distance (mi)	714	757	737	748
Travel Time (hr)	31.3	33.6	33.5	33.5
Total Delay (hr)	9.6	10.6	10.9	10.7
Total Stops	926	1008	1031	996
Fuel Used (gal)	25.7	26.8	26.5	26.8

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.1	0.1	0.0	0.0	0.2	0.4	0.7
Denied Del/Veh (s)	1.1	0.7	0.0	0.0	0.5	2.2	0.7
Total Delay (hr)	1.9	5.3	0.6	3.6	5.4	1.5	18.3
Total Del/Veh (s)	34.6	37.8	51.2	12.4	17.0	9.4	18.8
Stop Delay (hr)	1.5	4.4	0.6	1.8	3.5	0.6	12.4
Stop Del/Veh (s)	28.0	31.5	47.9	6.1	10.9	4.0	12.7

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	4.1	0.3	1.1	0.0	1.6	0.9	8.0
Total Del/Veh (s)	32.2	23.1	6.2	1.0	6.7	6.8	11.0
Stop Delay (hr)	3.6	0.3	0.6	0.0	0.5	0.0	5.0
Stop Del/Veh (s)	28.3	22.9	3.4	0.0	2.0	0.1	6.8

3: 12th Ave & Hayden Ave Performance by movement

Movement	WBL	WBR	NBU	NBT	NBR	SBU	SBL	SBT	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	4.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Total Delay (hr)	0.0	0.1	0.0	0.5	0.0	0.1	0.1	0.4	1.1
Total Del/Veh (s)	16.1	5.9	7.1	2.3	2.0	6.3	7.0	1.8	2.4
Stop Delay (hr)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.3
Stop Del/Veh (s)	14.7	5.7	6.0	0.3	0.4	4.6	4.0	0.1	0.6

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	2.9	0.6	3.0	2.6	0.7	2.6	2.5	0.1	0.2	0.0	0.0	0.0
Total Delay (hr)	1.5	1.4	0.1	0.5	1.2	0.5	0.5	2.1	0.2	0.3	4.6	1.8
Total Del/Veh (s)	43.8	23.5	6.0	32.6	24.3	7.8	32.8	21.1	12.9	53.8	55.7	15.6
Stop Delay (hr)	1.4	1.0	0.1	0.4	0.8	0.3	0.4	1.5	0.2	0.3	4.1	1.1
Stop Del/Veh (s)	39.8	16.8	3.8	28.8	17.5	5.2	29.7	15.4	10.5	48.7	49.2	9.7

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	0.8
Total Delay (hr)	0.4	15.1
Total Del/Veh (s)	10.8	24.4
Stop Delay (hr)	0.3	12.0
Stop Del/Veh (s)	7.8	19.3

Total Network Performance

Denied Delay (hr)	1.2
Denied Del/Veh (s)	1.0
Total Delay (hr)	45.6
Total Del/Veh (s)	37.1
Stop Delay (hr)	29.8
Stop Del/Veh (s)	24.2

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	178	297	289	88	260	266	234	247	290	212
Average Queue (ft)	61	169	162	30	115	115	112	106	109	72
95th Queue (ft)	122	254	242	71	221	235	192	193	221	154
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	1							2	0
Queuing Penalty (veh)	0	2							9	2

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	204	197	74	135	140	169	166	100
Average Queue (ft)	119	120	25	62	62	55	44	5
95th Queue (ft)	185	188	61	112	115	121	112	48
Link Distance (ft)	1095	1095		593	593	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	WB	WB	NB	NB	SB
Directions Served	L	R	UL	TR	UL
Maximum Queue (ft)	34	49	30	2	78
Average Queue (ft)	9	21	4	0	23
95th Queue (ft)	31	44	20	2	57
Link Distance (ft)		534		650	
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	165		215		220
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	146	202	97	82	157	119	89	123	157	290	358	222
Average Queue (ft)	75	97	32	37	77	56	33	62	80	185	107	97
95th Queue (ft)	129	164	67	71	131	92	71	105	131	304	273	178
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	1	8		0	9	2		0		14	0	
Queuing Penalty (veh)	2	17		0	27	4		0		29	0	

Network Summary

Network wide Queuing Penalty: 92

Appendix F

Analysis Worksheets for
Cumulative (2045) plus Project

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3841	3870	3907	3811	3831	3936	3854
Vehs Exited	3809	3849	3866	3837	3823	3902	3869
Starting Vehs	119	108	100	122	122	116	149
Ending Vehs	151	129	141	96	130	150	134
Travel Distance (mi)	2673	2716	2720	2663	2671	2750	2710
Travel Time (hr)	127.4	132.3	139.3	126.8	122.6	138.7	132.3
Total Delay (hr)	44.8	48.2	54.8	44.0	39.7	53.5	48.3
Total Stops	4074	4225	4136	4176	3999	4319	4182
Fuel Used (gal)	100.1	102.7	103.8	99.5	98.9	105.1	102.6

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3905	3889	3838	3868
Vehs Exited	3886	3917	3845	3860
Starting Vehs	107	140	120	116
Ending Vehs	126	112	113	126
Travel Distance (mi)	2741	2735	2689	2707
Travel Time (hr)	141.5	140.4	126.2	132.7
Total Delay (hr)	56.3	55.6	42.7	48.8
Total Stops	4251	4249	4201	4183
Fuel Used (gal)	105.7	105.3	99.8	102.3

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	959	947	1005	933	924	968	916
Vehs Exited	951	929	959	917	930	940	956
Starting Vehs	119	108	100	122	122	116	149
Ending Vehs	127	126	146	138	116	144	109
Travel Distance (mi)	666	658	682	654	653	669	659
Travel Time (hr)	30.4	31.9	31.1	30.8	29.3	33.5	30.8
Total Delay (hr)	9.7	11.5	9.9	10.4	9.1	12.7	10.4
Total Stops	995	1074	1043	1054	919	1094	1037
Fuel Used (gal)	24.5	24.9	25.1	24.1	23.9	25.6	24.8

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	918	992	982	955
Vehs Exited	898	986	993	946
Starting Vehs	107	140	120	116
Ending Vehs	127	146	109	129
Travel Distance (mi)	631	685	690	665
Travel Time (hr)	28.5	32.9	32.1	31.1
Total Delay (hr)	8.9	11.6	10.9	10.5
Total Stops	966	1108	1069	1035
Fuel Used (gal)	23.5	26.0	25.6	24.8

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	986	986	1013	1033	1010	1011	1120
Vehs Exited	971	979	1013	1035	1000	1008	1071
Starting Vehs	127	126	146	138	116	144	109
Ending Vehs	142	133	146	136	126	147	158
Travel Distance (mi)	666	688	711	702	706	711	763
Travel Time (hr)	32.2	35.5	37.6	33.7	33.0	35.5	38.8
Total Delay (hr)	11.5	14.2	15.6	12.0	11.1	13.6	15.1
Total Stops	1049	1047	1069	1158	1072	1083	1217
Fuel Used (gal)	25.0	26.6	27.4	26.4	26.4	27.0	29.0

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1087	1094	1016	1036
Vehs Exited	1055	1057	988	1017
Starting Vehs	127	146	109	129
Ending Vehs	159	183	137	144
Travel Distance (mi)	761	741	699	715
Travel Time (hr)	42.3	39.4	33.0	36.1
Total Delay (hr)	18.6	16.5	11.2	13.9
Total Stops	1171	1167	1120	1116
Fuel Used (gal)	30.1	28.7	26.0	27.3

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	906	973	959	938	935	950	899
Vehs Exited	923	985	965	941	937	983	948
Starting Vehs	142	133	146	136	126	147	158
Ending Vehs	125	121	140	133	124	114	109
Travel Distance (mi)	648	693	686	653	647	673	645
Travel Time (hr)	31.8	33.6	35.8	30.5	30.3	32.4	33.8
Total Delay (hr)	11.7	12.2	14.5	10.2	10.1	11.5	13.7
Total Stops	996	1069	1042	983	1026	1041	962
Fuel Used (gal)	24.5	26.1	26.3	24.2	23.9	25.5	24.9

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	947	915	909	931
Vehs Exited	970	959	951	956
Starting Vehs	159	183	137	144
Ending Vehs	136	139	95	118
Travel Distance (mi)	677	669	654	665
Travel Time (hr)	38.5	36.6	31.1	33.5
Total Delay (hr)	17.3	15.9	10.7	12.8
Total Stops	1078	999	1016	1020
Fuel Used (gal)	26.8	26.3	24.5	25.3

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	990	964	930	907	962	1007	919
Vehs Exited	964	956	929	944	956	971	894
Starting Vehs	125	121	140	133	124	114	109
Ending Vehs	151	129	141	96	130	150	134
Travel Distance (mi)	694	676	641	653	666	696	642
Travel Time (hr)	33.0	31.3	34.9	31.8	30.0	37.2	28.9
Total Delay (hr)	11.8	10.2	14.9	11.4	9.4	15.7	9.0
Total Stops	1034	1035	982	981	982	1101	966
Fuel Used (gal)	26.0	25.1	25.0	24.7	24.7	27.1	23.9

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	953	888	931	942
Vehs Exited	963	915	913	939
Starting Vehs	136	139	95	118
Ending Vehs	126	112	113	126
Travel Distance (mi)	672	640	647	663
Travel Time (hr)	32.2	31.5	29.9	32.1
Total Delay (hr)	11.4	11.6	9.9	11.5
Total Stops	1036	975	996	1009
Fuel Used (gal)	25.2	24.2	23.7	25.0

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.0	0.1	0.0	0.0	0.1	0.2	0.4
Denied Del/Veh (s)	0.9	0.6	0.0	0.0	0.3	2.7	0.5
Total Delay (hr)	1.5	4.9	1.7	3.2	4.1	0.5	15.9
Total Del/Veh (s)	33.5	35.2	40.5	11.0	21.0	6.3	20.1
Stop Delay (hr)	1.2	4.0	1.5	1.5	3.1	0.3	11.6
Stop Del/Veh (s)	27.0	29.1	35.6	5.1	15.8	4.1	14.7

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	4.2	1.0	1.5	0.1	1.0	0.4	8.1
Total Del/Veh (s)	35.0	30.8	6.6	1.5	6.0	5.5	11.9
Stop Delay (hr)	3.7	1.0	0.8	0.0	0.3	0.0	5.8
Stop Del/Veh (s)	31.2	29.3	3.5	0.2	1.6	0.1	8.4

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0		0.0	3.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	4.6	0.0	0.1	0.1	0.0	0.0	0.2	0.6	0.0	0.0	0.0	0.3
Total Del/Veh (s)	77.7		5.8	27.9	10.4	6.2	10.1	2.6	2.4	6.2	7.1	2.5
Stop Delay (hr)	4.7	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Stop Del/Veh (s)	79.2		5.1	26.6	10.2	3.9	6.8	0.3	0.4	5.3	4.7	0.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.0
Denied Del/Veh (s)	0.0	0.0
Total Delay (hr)	0.2	6.2
Total Del/Veh (s)	2.6	11.7
Stop Delay (hr)	0.0	5.2
Stop Del/Veh (s)	0.1	9.8

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	3.0	0.5	3.0	2.5	0.8	2.6	2.3	0.2	0.2	0.0	0.0	0.0
Total Delay (hr)	1.2	0.8	0.1	0.3	1.0	0.9	0.6	2.5	0.1	0.2	1.6	1.1
Total Del/Veh (s)	33.6	17.4	4.6	30.3	21.9	9.7	28.8	20.1	12.0	32.6	32.5	14.5
Stop Delay (hr)	1.1	0.5	0.1	0.2	0.7	0.6	0.5	1.8	0.1	0.2	1.4	0.8
Stop Del/Veh (s)	29.8	12.0	2.9	26.4	15.3	6.7	25.5	14.1	9.7	30.2	28.5	9.8

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	1.0
Total Delay (hr)	0.2	10.4
Total Del/Veh (s)	8.5	19.1
Stop Delay (hr)	0.1	8.0
Stop Del/Veh (s)	6.3	14.6

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.2	0.2
Denied Del/Veh (s)	0.1	0.0	0.0	3.1	1.4
Total Delay (hr)	0.0	0.0	0.1	4.7	4.8
Total Del/Veh (s)	0.4	0.3	0.7	65.4	30.5
Stop Delay (hr)	0.0	0.0	0.0	4.8	4.8
Stop Del/Veh (s)	0.0	0.1	0.1	65.9	30.4

Total Network Performance

Denied Delay (hr)	1.2
Denied Del/Veh (s)	1.1
Total Delay (hr)	47.6
Total Del/Veh (s)	43.0
Stop Delay (hr)	35.5
Stop Del/Veh (s)	32.0

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	187	271	256	213	228	243	195	214	188	104
Average Queue (ft)	54	162	155	101	103	99	87	92	80	37
95th Queue (ft)	135	240	230	181	200	209	157	172	156	79
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	0							0	
Queuing Penalty (veh)	0	1							1	

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	193	199	173	163	157	121	132	11
Average Queue (ft)	119	117	74	79	78	33	35	0
95th Queue (ft)	177	176	141	141	138	87	92	8
Link Distance (ft)	1095	1095		581	581	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	R	UL	TR	UL	T	TR
Maximum Queue (ft)	261	79	33	31	86	4	41	4	37
Average Queue (ft)	166	31	8	9	31	0	11	0	3
95th Queue (ft)	274	63	29	29	69	3	32	4	17
Link Distance (ft)	194	194		534		650		581	581
Upstream Blk Time (%)	31								
Queuing Penalty (veh)	43								
Storage Bay Dist (ft)			165		215		220		
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	157	171	86	58	138	140	99	144	155	188	130	137
Average Queue (ft)	73	67	27	24	67	76	43	76	84	100	44	57
95th Queue (ft)	129	131	62	54	116	122	86	124	138	168	98	111
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	1	2			6	6		0		0	0	
Queuing Penalty (veh)	3	4			21	11		0		0	0	

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	EB	SB	SB
Directions Served	LT	L	R
Maximum Queue (ft)	6	344	214
Average Queue (ft)	0	149	48
95th Queue (ft)	6	391	268
Link Distance (ft)	560	414	414
Upstream Blk Time (%)		9	6
Queuing Penalty (veh)		0	0
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Network Summary

Network wide Queuing Penalty: 83

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	4747	4736	4757	4728	4715	4732	4663
Vehs Exited	4722	4767	4767	4718	4663	4707	4666
Starting Vehs	138	169	157	140	141	144	173
Ending Vehs	163	138	147	150	193	169	170
Travel Distance (mi)	3328	3301	3341	3310	3273	3312	3258
Travel Time (hr)	180.3	162.8	167.1	168.8	189.0	166.3	156.7
Total Delay (hr)	76.9	60.3	63.4	66.1	87.7	63.4	55.7
Total Stops	5198	5102	5171	4969	5161	5233	4944
Fuel Used (gal)	128.8	123.4	126.5	125.5	129.7	125.0	121.7

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	4645	4755	4654	4709
Vehs Exited	4676	4729	4666	4706
Starting Vehs	159	140	170	150
Ending Vehs	128	166	158	154
Travel Distance (mi)	3266	3313	3275	3298
Travel Time (hr)	167.7	166.8	181.9	170.7
Total Delay (hr)	66.2	64.4	80.4	68.4
Total Stops	5033	5112	5044	5097
Fuel Used (gal)	124.9	125.8	127.3	125.9

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1210	1149	1152	1209	1181	1166	1108
Vehs Exited	1162	1136	1139	1206	1148	1144	1141
Starting Vehs	138	169	157	140	141	144	173
Ending Vehs	186	182	170	143	174	166	140
Travel Distance (mi)	839	800	800	847	812	814	793
Travel Time (hr)	40.1	38.3	38.9	42.2	40.9	39.6	37.0
Total Delay (hr)	14.1	13.4	14.0	15.9	15.7	14.4	12.4
Total Stops	1302	1209	1247	1259	1278	1269	1129
Fuel Used (gal)	31.1	29.5	30.3	31.7	30.8	30.5	29.1

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1128	1221	1199	1170
Vehs Exited	1128	1194	1221	1160
Starting Vehs	159	140	170	150
Ending Vehs	159	167	148	159
Travel Distance (mi)	791	823	856	817
Travel Time (hr)	37.7	39.3	45.2	39.9
Total Delay (hr)	13.2	13.8	18.8	14.6
Total Stops	1212	1291	1350	1256
Fuel Used (gal)	29.7	30.7	32.4	30.6

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1249	1276	1264	1239	1267	1239	1226
Vehs Exited	1236	1276	1258	1192	1239	1218	1213
Starting Vehs	186	182	170	143	174	166	140
Ending Vehs	199	182	176	190	202	187	153
Travel Distance (mi)	863	888	879	839	873	855	842
Travel Time (hr)	48.5	45.4	43.9	42.8	47.7	43.7	42.2
Total Delay (hr)	21.6	17.8	16.6	16.7	20.7	17.3	16.1
Total Stops	1416	1408	1377	1303	1393	1382	1328
Fuel Used (gal)	34.1	33.6	33.3	31.8	34.2	32.4	32.0

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1282	1255	1229	1251
Vehs Exited	1224	1238	1165	1227
Starting Vehs	159	167	148	159
Ending Vehs	217	184	212	188
Travel Distance (mi)	877	874	843	863
Travel Time (hr)	46.5	45.1	48.9	45.5
Total Delay (hr)	19.3	18.1	22.9	18.7
Total Stops	1378	1329	1268	1360
Fuel Used (gal)	33.8	33.5	33.1	33.2

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1174	1156	1180	1133	1140	1193	1156
Vehs Exited	1175	1207	1195	1171	1141	1191	1183
Starting Vehs	199	182	176	190	202	187	153
Ending Vehs	198	131	161	152	201	189	126
Travel Distance (mi)	836	817	841	808	797	836	816
Travel Time (hr)	48.1	41.4	41.6	41.1	50.3	42.1	38.1
Total Delay (hr)	22.1	15.9	15.6	16.0	25.6	16.0	12.8
Total Stops	1286	1312	1325	1151	1210	1287	1201
Fuel Used (gal)	32.9	30.7	31.7	30.7	32.6	31.6	30.4

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1115	1133	1104	1145
Vehs Exited	1173	1162	1162	1175
Starting Vehs	217	184	212	188
Ending Vehs	159	155	154	163
Travel Distance (mi)	803	817	794	816
Travel Time (hr)	45.0	41.8	47.3	43.7
Total Delay (hr)	20.0	16.6	22.6	18.3
Total Stops	1249	1238	1209	1242
Fuel Used (gal)	31.5	31.3	31.8	31.5

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1114	1155	1161	1147	1127	1134	1173
Vehs Exited	1149	1148	1175	1149	1135	1154	1129
Starting Vehs	198	131	161	152	201	189	126
Ending Vehs	163	138	147	150	193	169	170
Travel Distance (mi)	790	795	821	816	791	807	807
Travel Time (hr)	43.6	37.8	42.7	42.7	50.2	41.0	39.4
Total Delay (hr)	19.0	13.1	17.2	17.5	25.7	15.9	14.4
Total Stops	1194	1173	1222	1256	1280	1295	1286
Fuel Used (gal)	30.8	29.7	31.2	31.3	32.2	30.5	30.2

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1120	1146	1122	1138
Vehs Exited	1151	1135	1118	1145
Starting Vehs	159	155	154	163
Ending Vehs	128	166	158	154
Travel Distance (mi)	795	800	782	800
Travel Time (hr)	38.4	40.6	40.4	41.7
Total Delay (hr)	13.7	15.9	16.1	16.8
Total Stops	1194	1254	1217	1235
Fuel Used (gal)	29.9	30.3	30.1	30.6

1: 12th Ave & Hwy 198 WB Ramps Performance by movement

Movement	WBL	WBR	NBL	NBT	SBT	SBR	All
Denied Delay (hr)	0.1	0.1	0.0	0.0	0.2	0.3	0.7
Denied Del/Veh (s)	1.2	0.8	0.0	0.0	0.5	2.2	0.7
Total Delay (hr)	2.6	5.2	1.4	3.9	6.7	1.6	21.3
Total Del/Veh (s)	35.0	36.4	50.6	13.3	20.4	10.4	21.0
Stop Delay (hr)	2.1	4.2	1.3	1.9	4.5	0.8	14.7
Stop Del/Veh (s)	27.9	29.8	46.4	6.4	13.7	5.1	14.5

2: 12th Ave & Hwy 198 EB Ramps Performance by movement

Movement	EBL	EBR	NBT	NBR	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	4.5	0.7	1.1	0.1	1.7	0.9	9.1
Total Del/Veh (s)	34.5	27.9	6.0	1.5	6.2	6.8	11.0
Stop Delay (hr)	4.0	0.7	0.6	0.0	0.5	0.0	5.8
Stop Del/Veh (s)	30.4	27.0	3.3	0.2	1.7	0.1	7.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBR	NBU	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	16.7	0.0	6.7	4.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Total Delay (hr)	5.3	0.0	0.1	0.1	0.1	0.0	0.2	0.5	0.0	0.1	0.1	0.8
Total Del/Veh (s)	116.0	0.7	8.7	32.9	11.6	9.7	13.7	2.6	2.2	7.5	7.9	3.5
Stop Delay (hr)	5.4	0.0	0.1	0.1	0.1	0.0	0.2	0.1	0.0	0.1	0.0	0.1
Stop Del/Veh (s)	117.8	0.2	8.2	31.2	11.4	8.1	10.6	0.3	0.4	5.9	4.9	0.2

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.9
Denied Del/Veh (s)	0.0	1.5
Total Delay (hr)	0.1	7.6
Total Del/Veh (s)	2.7	12.6
Stop Delay (hr)	0.0	6.2
Stop Del/Veh (s)	0.1	10.3

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Denied Delay (hr)	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	2.8	0.6	3.0	2.6	0.8	2.6	2.4	0.2	0.2	0.0	0.2	0.0
Total Delay (hr)	1.7	1.3	0.1	0.5	1.2	0.6	0.5	2.4	0.2	0.6	8.9	2.0
Total Del/Veh (s)	46.2	22.9	5.8	33.2	25.0	8.8	32.1	22.1	15.7	95.1	98.4	16.8
Stop Delay (hr)	1.5	0.9	0.1	0.4	0.8	0.4	0.4	1.8	0.2	0.6	8.2	1.2
Stop Del/Veh (s)	42.0	16.3	3.7	29.3	18.1	6.1	28.9	16.0	12.9	90.2	91.5	10.2

4: 12th Ave & Hanford Armona Rd Performance by movement

Movement	SBR	All
Denied Delay (hr)	0.0	0.5
Denied Del/Veh (s)	0.0	0.8
Total Delay (hr)	0.5	20.4
Total Del/Veh (s)	11.4	31.6
Stop Delay (hr)	0.3	16.9
Stop Del/Veh (s)	7.7	26.2

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.2	0.2
Denied Del/Veh (s)	0.1	0.0	0.0	4.1	1.9
Total Delay (hr)	0.0	0.0	0.0	4.5	4.6
Total Del/Veh (s)	0.2	0.2	0.6	75.8	36.3
Stop Delay (hr)	0.0	0.0	0.0	4.6	4.6
Stop Del/Veh (s)	0.0	0.0	0.1	76.2	36.2

Total Network Performance

Denied Delay (hr)	2.4
Denied Del/Veh (s)	1.8
Total Delay (hr)	66.0
Total Del/Veh (s)	48.9
Stop Delay (hr)	48.5
Stop Del/Veh (s)	35.9

Intersection: 1: 12th Ave & Hwy 198 WB Ramps

Movement	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	LTR	R	L	T	T	T	T	T	R
Maximum Queue (ft)	223	282	268	159	272	276	288	302	338	220
Average Queue (ft)	90	174	166	72	129	129	137	141	128	85
95th Queue (ft)	175	252	241	136	229	242	230	253	244	174
Link Distance (ft)		1090			699	699	1257	1257	1257	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	270		465	400						175
Storage Blk Time (%)	0	0							2	0
Queuing Penalty (veh)	0	2							10	1

Intersection: 2: 12th Ave & Hwy 198 EB Ramps

Movement	EB	EB	EB	NB	NB	SB	SB	SB
Directions Served	L	L	R	T	T	T	T	R
Maximum Queue (ft)	210	213	127	134	137	162	167	44
Average Queue (ft)	127	128	56	61	60	50	45	2
95th Queue (ft)	193	198	109	112	111	119	118	21
Link Distance (ft)	1095	1095		581	581	699	699	699
Upstream Blk Time (%)								
Queuing Penalty (veh)								
Storage Bay Dist (ft)			865					
Storage Blk Time (%)								
Queuing Penalty (veh)								

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	R	UL	TR	UL	T	TR
Maximum Queue (ft)	204	76	45	57	80	4	72	35	48
Average Queue (ft)	160	32	10	23	30	0	22	4	4
95th Queue (ft)	234	64	35	48	65	3	52	33	23
Link Distance (ft)	185	185		534		650		581	581
Upstream Blk Time (%)	38								
Queuing Penalty (veh)	44								
Storage Bay Dist (ft)			165		215		220		
Storage Blk Time (%)									
Queuing Penalty (veh)									

Intersection: 4: 12th Ave & Hanford Armona Rd

Movement	EB	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	R	L	T	R	L	T	TR	UL	T	TR
Maximum Queue (ft)	160	181	88	91	161	129	87	137	182	300	538	405
Average Queue (ft)	78	91	29	37	77	61	33	70	92	232	233	125
95th Queue (ft)	138	156	64	75	131	102	68	114	151	354	581	325
Link Distance (ft)		1626			1704			1773	1773		650	650
Upstream Blk Time (%)											1	0
Queuing Penalty (veh)											6	0
Storage Bay Dist (ft)	145		100	105		80	150			210		
Storage Blk Time (%)	2	7		0	9	3		0		42	0	
Queuing Penalty (veh)	7	15		1	28	6		0		87	0	

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	293	199
Average Queue (ft)	143	42
95th Queue (ft)	362	238
Link Distance (ft)	385	385
Upstream Blk Time (%)	9	6
Queuing Penalty (veh)	0	0
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty: 207

Appendix G

CAMUTCD Peak-Hour Signal Warrants

Kimley»Horn

PEAK HOUR SIGNAL WARRANT ANALYSIS (Warrant #3, California MUTCD 2014 Edition)

INT #3

PROJECT NAME: *Maverik Hanford - LTA*

SCENARIO: *Existing (2025)*

COMMENTS:

MAJOR STREET: *12th Ave* ☑ NB/SB ☐ EB/WB # OF APPROACH LANES: 2

MINOR STREET: *Hayden Ave* ☐ NB/SB ☑ EB/WB # OF APPROACH LANES: 2

THE STUDY INTERSECTION HAS MORE THAN THREE APPROACHES (Y OR N): N

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): N

85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): N

	AM		PM	
WORST CASE DELAY FOR MINOR STREET APPROACH:	16.7	sec/veh	17.0	sec/veh
	0.05	veh-hr	0.19	veh-hr

			MAJOR STREET			MINOR STREET				
			NB Approach	SB Approach	Total	EB Approach	WB Approach	Heavy Leg	Total	Intersection Total
06:00 AM	TO	07:00 AM			0			0	0	0
07:00 AM	TO	08:00 AM	765	406	1171	0	10	10	10	1181
08:00 AM	TO	09:00 AM			0			0	0	0
09:00 AM	TO	10:00 AM			0			0	0	0
10:00 AM	TO	11:00 AM			0			0	0	0
11:00 AM	TO	12:00 PM			0			0	0	0
12:00 PM	TO	01:00 PM			0			0	0	0
01:00 PM	TO	02:00 PM			0			0	0	0
02:00 PM	TO	03:00 PM			0			0	0	0
03:00 PM	TO	04:00 PM			0			0	0	0
04:00 PM	TO	05:00 PM			0			0	0	0
05:00 PM	TO	06:00 PM	627	728	1355	0	41	41	41	1396
06:00 PM	TO	07:00 PM			0			0	0	0
07:00 PM	TO	08:00 PM			0			0	0	0
08:00 PM	TO	09:00 PM			0			0	0	0
09:00 PM	TO	10:00 PM			0			0	0	0

	MAJOR STREET	MINOR STREET		INTERSECTION
	Total	Heavy Leg	Total	Total
AM MAX	1171	10	10	1181
PM MAX	1355	41	41	1396

Kimley»Horn

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Existing (2025) AM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**NO**

PART A
(All parts 1, 2, and 3 below must be satisfied) — SATISFIED **NO**

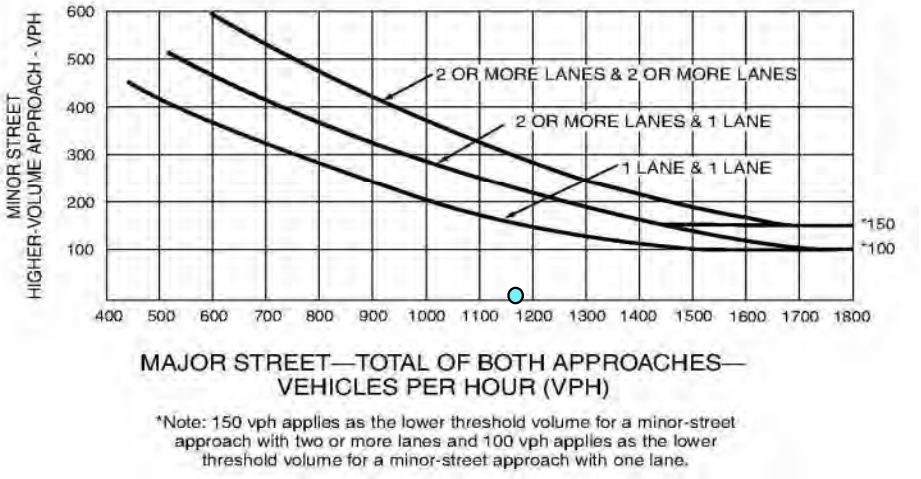
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	No
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	No
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B — SATISFIED **No**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1171
Highest Approach - Minor Street		10

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Existing (2025) PM
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**NO**

PART A
(All parts 1, 2, and 3 below must be satisfied) SATISFIED **NO**

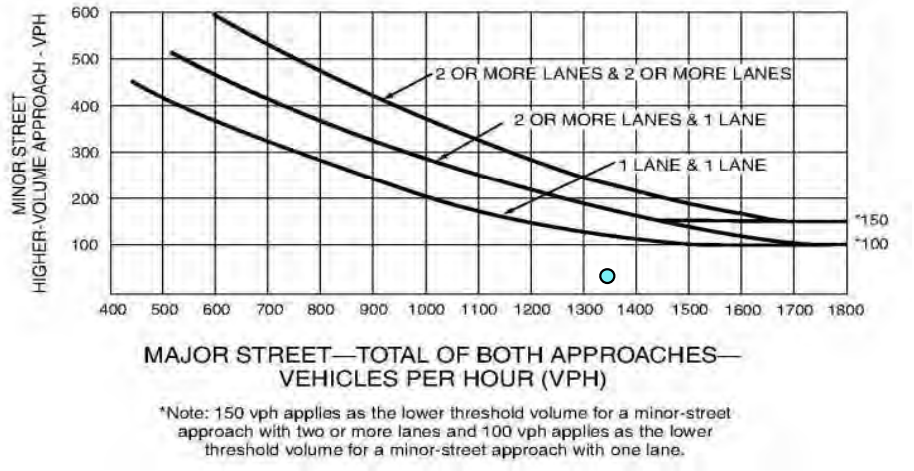
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	No
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	No
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B SATISFIED **No**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1355
Highest Approach - Minor Street		41

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Kimley»Horn

PEAK HOUR SIGNAL WARRANT ANALYSIS (Warrant #3, California MUTCD 2014 Edition)

INT #3

PROJECT NAME: *Maverik Hanford - LTA*

SCENARIO: *Existing (2025) plus Project*

COMMENTS:

MAJOR STREET: *12th Ave* ☑ NB/SB ☐ EB/WB # OF APPROACH LANES: 2

MINOR STREET: *Hayden Ave* ☐ NB/SB ☑ EB/WB # OF APPROACH LANES: 2

THE STUDY INTERSECTION HAS MORE THAN THREE APPROACHES (Y OR N): Y

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): N

85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): N

	AM		PM	
WORST CASE DELAY FOR MINOR STREET APPROACH:	52.4	sec/veh	54.1	sec/veh
	3.96	veh-hr	3.32	veh-hr

			MAJOR STREET			MINOR STREET				
			NB Approach	SB Approach	Total	EB Approach	WB Approach	Heavy Leg	Total	Intersection Total
06:00 AM	TO	07:00 AM			0			0	0	0
07:00 AM	TO	08:00 AM	812	593	1405	272	10	272	282	1687
08:00 AM	TO	09:00 AM			0			0	0	0
09:00 AM	TO	10:00 AM			0			0	0	0
10:00 AM	TO	11:00 AM			0			0	0	0
11:00 AM	TO	12:00 PM			0			0	0	0
12:00 PM	TO	01:00 PM			0			0	0	0
01:00 PM	TO	02:00 PM			0			0	0	0
02:00 PM	TO	03:00 PM			0			0	0	0
03:00 PM	TO	04:00 PM			0			0	0	0
04:00 PM	TO	05:00 PM			0			0	0	0
05:00 PM	TO	06:00 PM	665	880	1545	221	41	221	262	1807
06:00 PM	TO	07:00 PM			0			0	0	0
07:00 PM	TO	08:00 PM			0			0	0	0
08:00 PM	TO	09:00 PM			0			0	0	0
09:00 PM	TO	10:00 PM			0			0	0	0

	MAJOR STREET	MINOR STREET		INTERSECTION
	Total	Heavy Leg	Total	Total
AM MAX	1405	272	282	1687
PM MAX	1545	221	262	1807

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Existing (2025) plus Project AM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

PART A or PART B	SATISFIED	**YES**

PART A

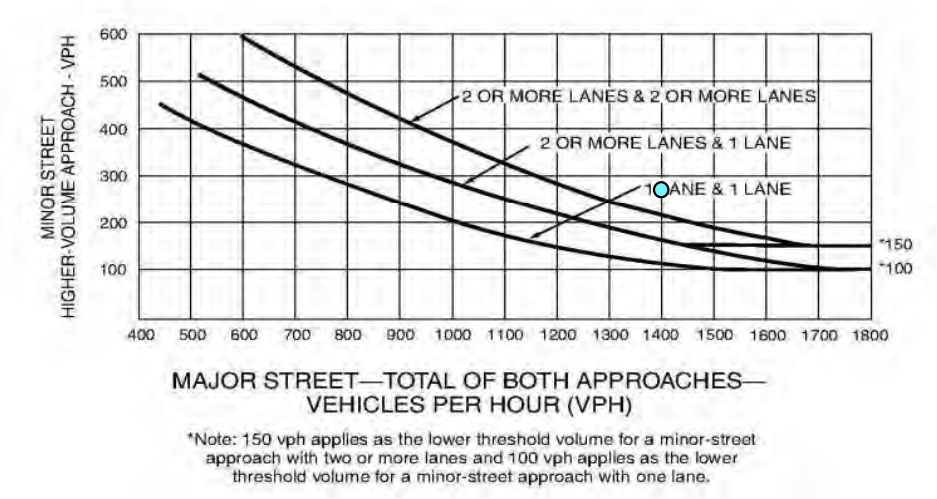
(All parts 1, 2, and 3 below must be satisfied)	SATISFIED	**NO**
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND		No
2. The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND		Yes
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.		Yes

PART B — SATISFIED **Yes**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1405
Highest Approach - Minor Street		272

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Existing (2025) plus Project PM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**YES**

PART A
(All parts 1, 2, and 3 below must be satisfied) SATISFIED **NO**

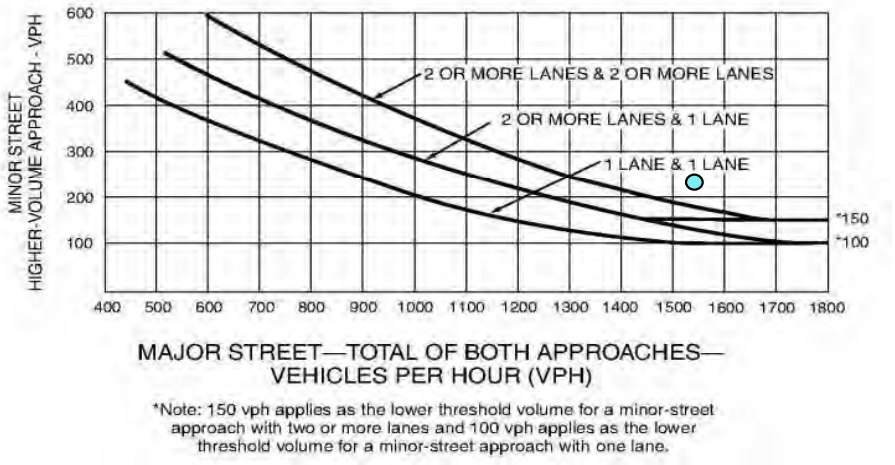
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	No
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B SATISFIED **Yes**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1545
Highest Approach - Minor Street		221

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Kimley»Horn

PEAK HOUR SIGNAL WARRANT ANALYSIS (Warrant #3, California MUTCD 2014 Edition)

INT #3

PROJECT NAME: *Maverik Hanford - LTA*

SCENARIO: *Cumulative (2045)*

COMMENTS:

MAJOR STREET: *12th Ave* ☑ NB/SB ☐ EB/WB # OF APPROACH LANES: 2

MINOR STREET: *Hayden Ave* ☐ NB/SB ☑ EB/WB # OF APPROACH LANES: 2

THE STUDY INTERSECTION HAS MORE THAN THREE APPROACHES (Y OR N): N

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): N

85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): N

	AM		PM	
WORST CASE DELAY FOR MINOR STREET APPROACH:	15.5	sec/veh	23.7	sec/veh
	0.09	veh-hr	0.33	veh-hr

			MAJOR STREET			MINOR STREET				
			NB Approach	SB Approach	Total	EB Approach	WB Approach	Heavy Leg	Total	Intersection Total
06:00 AM	TO	07:00 AM			0			0	0	0
07:00 AM	TO	08:00 AM	840	460	1300	0	20	20	20	1320
08:00 AM	TO	09:00 AM			0			0	0	0
09:00 AM	TO	10:00 AM			0			0	0	0
10:00 AM	TO	11:00 AM			0			0	0	0
11:00 AM	TO	12:00 PM			0			0	0	0
12:00 PM	TO	01:00 PM			0			0	0	0
01:00 PM	TO	02:00 PM			0			0	0	0
02:00 PM	TO	03:00 PM			0			0	0	0
03:00 PM	TO	04:00 PM			0			0	0	0
04:00 PM	TO	05:00 PM			0			0	0	0
05:00 PM	TO	06:00 PM	760	900	1660	0	50	50	50	1710
06:00 PM	TO	07:00 PM			0			0	0	0
07:00 PM	TO	08:00 PM			0			0	0	0
08:00 PM	TO	09:00 PM			0			0	0	0
09:00 PM	TO	10:00 PM			0			0	0	0

	MAJOR STREET	MINOR STREET		INTERSECTION
	Total	Heavy Leg	Total	Total
AM MAX	1300	20	20	1320
PM MAX	1660	50	50	1710

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Cumulative (2045) AM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**NO**

PART A
(All parts 1, 2, and 3 below must be satisfied) — SATISFIED **NO**

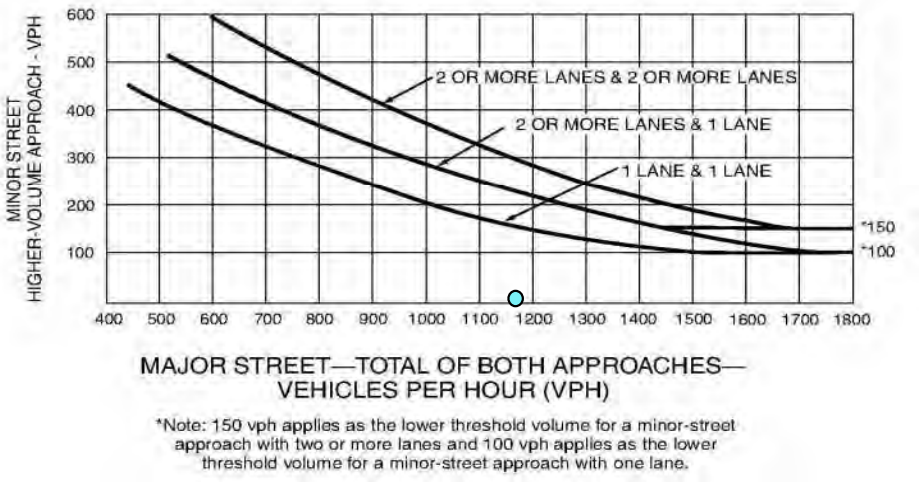
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	No
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	No
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B — SATISFIED **No**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1300
Highest Approach - Minor Street		20

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Cumulative (2045) PM
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**NO**

PART A
(All parts 1, 2, and 3 below must be satisfied) SATISFIED **NO**

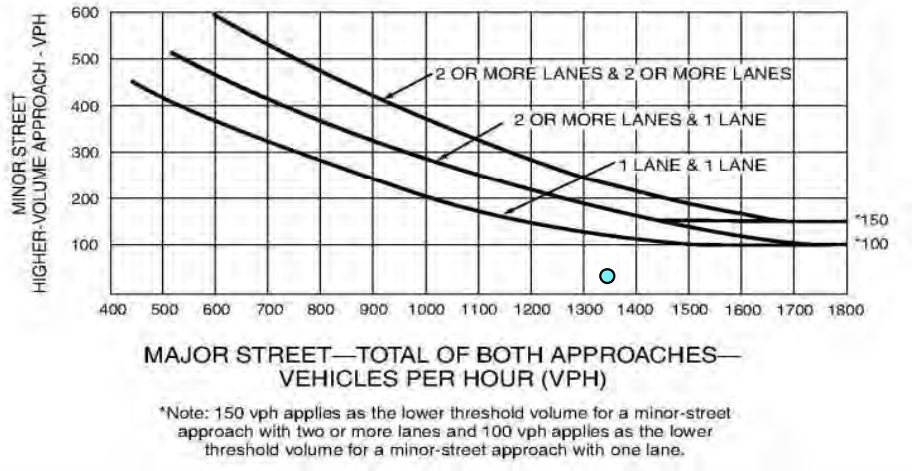
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	No
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	No
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B SATISFIED **No**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1660
Highest Approach - Minor Street		50

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Kimley»Horn

PEAK HOUR SIGNAL WARRANT ANALYSIS (Warrant #3, California MUTCD 2014 Edition)

INT #3

PROJECT NAME: *Maverik Hanford - LTA*

SCENARIO: *Cumulative (2045) plus Project*

COMMENTS:

MAJOR STREET: *12th Ave* ☑ NB/SB ☐ EB/WB # OF APPROACH LANES: 2

MINOR STREET: *Hayden Ave* ☐ NB/SB ☑ EB/WB # OF APPROACH LANES: 2

THE STUDY INTERSECTION HAS MORE THAN THREE APPROACHES (Y OR N): Y

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N): N

85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N): N

	AM		PM	
WORST CASE DELAY FOR MINOR STREET APPROACH:	77.7	sec/veh	116.0	sec/veh
	5.87	veh-hr	7.12	veh-hr

			MAJOR STREET			MINOR STREET				
			NB Approach	SB Approach	Total	EB Approach	WB Approach	Heavy Leg	Total	Intersection Total
06:00 AM	TO	07:00 AM			0			0	0	0
07:00 AM	TO	08:00 AM	887	647	1534	272	20	272	292	1826
08:00 AM	TO	09:00 AM			0			0	0	0
09:00 AM	TO	10:00 AM			0			0	0	0
10:00 AM	TO	11:00 AM			0			0	0	0
11:00 AM	TO	12:00 PM			0			0	0	0
12:00 PM	TO	01:00 PM			0			0	0	0
01:00 PM	TO	02:00 PM			0			0	0	0
02:00 PM	TO	03:00 PM			0			0	0	0
03:00 PM	TO	04:00 PM			0			0	0	0
04:00 PM	TO	05:00 PM			0			0	0	0
05:00 PM	TO	06:00 PM	798	1052	1850	221	50	221	271	2121
06:00 PM	TO	07:00 PM			0			0	0	0
07:00 PM	TO	08:00 PM			0			0	0	0
08:00 PM	TO	09:00 PM			0			0	0	0
09:00 PM	TO	10:00 PM			0			0	0	0

	MAJOR STREET	MINOR STREET		INTERSECTION
	Total	Heavy Leg	Total	Total
AM MAX	1534	272	292	1826
PM MAX	1850	221	271	2121

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Cumulative (2045) plus Project AM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**YES**

PART A
(All parts 1, 2, and 3 below must be satisfied) SATISFIED **YES**

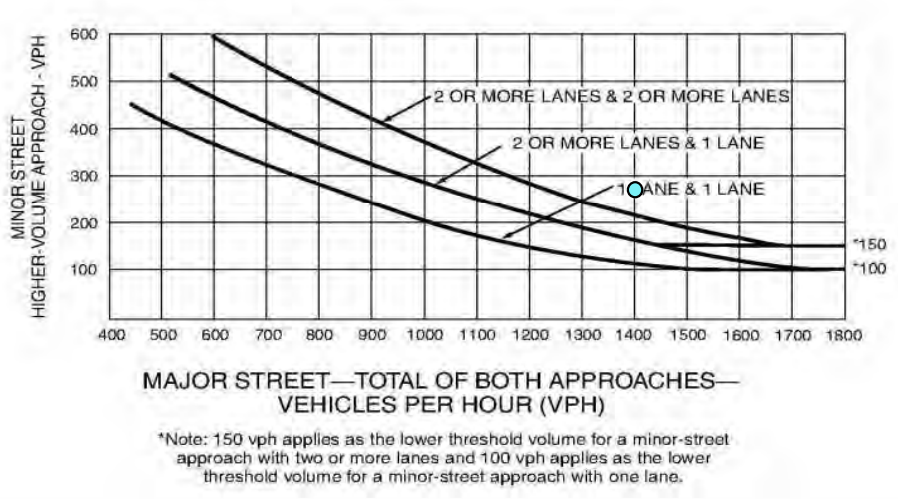
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND — Yes
2. The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND — Yes
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches. — Yes

PART B SATISFIED **Yes**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1534
Highest Approach - Minor Street		272

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Traffic Signal Warrants Worksheet
Warrant 3: Peak Hour
Source: MUTCD 2014 California Supplement

Scenario: Cumulative (2045) plus Project PM Peak-Hour
Intersection: 12th Ave AND Hayden Ave
Comments:

	PART A or PART B	SATISFIED	**YES**

PART A
(All parts 1, 2, and 3 below must be satisfied) SATISFIED **YES**

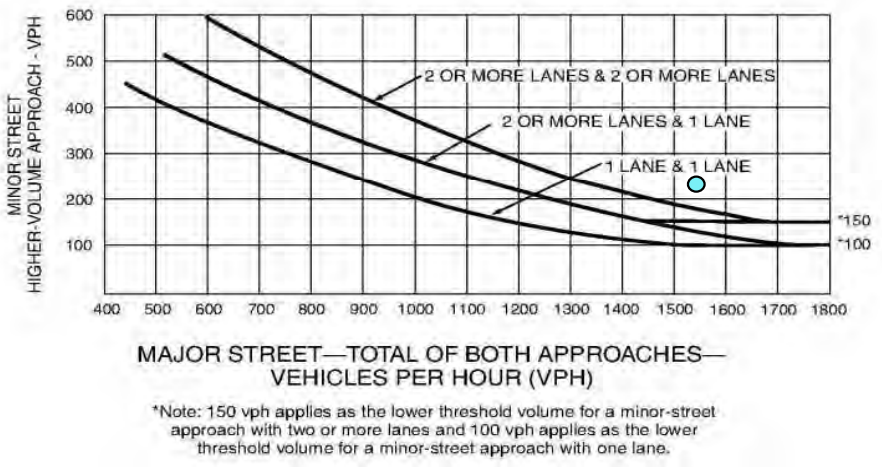
1.	The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds four vehicle-hours for a one-lane approach and five vehicle hours for a two-lane approach; AND	Yes
2.	The volume on the same minor street approach equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes; AND	Yes
3.	The total entering volume serviced during the hour equals or exceeds 800 vph for intersection with four or more approaches or 650 vph for intersection with less than four approaches.	Yes

PART B SATISFIED **Yes**

APPROACH LANES	One	2 or More
Both Approaches - Major Street		1850
Highest Approach - Minor Street		221

The plotted points for vehicles per hour on major streets (both approaches) and the corresponding per hour higher volume minor street approach (one direction only) for one hour (any consecutive 15 minute period) fall above applicable curves in MUTCD Figure 4C-3.

Figure 4C-3. Warrant 3, Peak Hour



*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Appendix H

Crash Data Reports

April 16, 2025
06-Kin-198
PM R016.510 to R017.210

Traffic Accident Surveillance and Analysis System (TASAS)
Collision Data Summary

The data provided is protected by 23 U.S.C. § 407, and shall not be subject to discovery, nor admitted as evidence in any applicable legal proceeding against the State of California. By allowing the release of this information, the State of California, Department of Transportation does not waive any rights it has under 23 U.S.C. § 407.

Protected by 23 U.S.C. § 407

SR 198 PM R016.510 to PM R017.210

Table 1 summarizes ramp collision rates along State Route 198 (SR 198) between PM R016.510 and PM R017.210 in the County of Kings. The Table B reports were generated on April 16, 2025, and they depict existing collision rates per million vehicles for the most recent 60-month period from July 1, 2019, to June 30, 2024, from the Traffic Accident Surveillance and Analysis System (TASAS).

Table 1
5-Year Collision Rates: Ramps

Location	TOTAL No. of Collisions	ACTUAL (per million vehicles)			AVERAGE (per million vehicles)		
		Fatal Collisions	Fatal + Injury Collisions	Total (1)	Fatal Collisions	Fatal + Injury Collisions	Total (1)
RAMPS AT 12th AVE							
PM R016.646 198/EB OFF TO 12th AVE	8	0.000	0.44	0.87	0.003	0.38	1.04
PM R016.820 198/WB ON FROM 12th AVE	5	0.000	0.16	0.40	0.002	0.23	0.63
PM R016.835 198/EB ON FROM SB 12th AVE	1	0.000	0.00	0.13	0.002	0.23	0.77
PM R017.007 198/EB ON FROM NB 12th AVE	6	0.000	0.38	2.28	0.004	0.23	0.70
PM R017.070 198/WB OFF TO 12th AVE	26	0.000	0.76	2.48	0.003	0.38	1.04

(1) All reported collisions (includes Property Damage Only (PDO) Collisions)

PM R016.646 198/EB OFF TO 12th AVE

Analysis of the TASAS Table B records shows a total of 8 collisions at PM R016.646 at the ramp of 198/EB off to 12th Ave within the study periods summarized above. Table 1 reflects that the Actual Fatal and Actual Total collision rates are below the average for similar facilities statewide. It also reflects that the Actual Fatal + Injury collision rates are above the average for similar facilities statewide.

Table 2
Highway Primary Collision Factors and Type of Collision

Primary Collision Factor	Type of Collision			
	Head On	Rear End	Broadside	Hit Object
Influence of Alcohol	1			
Improper Turn		1		
Speeding		3		1
Other Violation			2	
Total	**1**	**4**	**2**	**1**

Table 2 shown above indicates that the predominant collision type was Rear End (4), and the corresponding collision factor was Speeding (3). Other types of collisions that occurred on this segment were Head On (1), Broadside (2), and Hit Object (1). Other pertinent primary collision factors were Influence of Alcohol, Improper Turn, and Other Violation.

TASAS Table B shows that there was 1 Hit Object type of collisions. The Hit Object was a "Drainage Ditch".

PM R016.820 198/WB ON FROM 12th AVE

Analysis of the TASAS Table B records shows a total of 5 collisions at PM R016.820 at the ramp of 198/WB on from 12th Ave within the study periods summarized above. Table 1 reflects that the Actual Fatal, Actual Fatal + Injury, and Actual Total collision rates are below the average for similar facilities statewide.

Table 3
Highway Primary Collision Factors and Type of Collision

Primary Collision Factor	Type of Collision		
	Rear End	Hit Object	Overturn
Influence of Alcohol		1	
Following Too Close	1		
Improper Turn			1
Speeding	1		1
Total	**2**	**1**	**2**

Table 3 shown above indicates that the predominant collision types were Rear End (2) and Overturn (2), with the corresponding collision factors being Following Too Close (1), Improper Turn (1), and Speeding (1). Another type of collision that occurred on this segment was Hit Object (1). Another pertinent primary collision factor was Influence of Alcohol.

TASAS Table B shows that there was 1 Hit Object type of collisions. The Hit Object was a "Dike or Curb".

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PM R016.835 198/EB ON FROM SB 12th AVE

Analysis of the TASAS Table B records shows a total of 1 collision at PM R016.835 at the ramp of 198/EB on from SB 12th Ave within the study periods summarized above. Table 1 reflects that the Actual Fatal, Actual Fatal + Injury, and Actual Total collision rates are below the average for similar facilities statewide.

Table 4
Highway Primary Collision Factors and Type of Collision

Primary Collision Factor	Type of Collision
	Hit Object
Improper Turn	1
Total	**1**

Table 4 shown above indicates that the predominant collision type was Hit Object (1), and the corresponding collision factor was Improper Turn (1).

TASAS Table B shows that there was 1 Hit Object type of collisions. The Hit Objects were "Guardrail".

PM R017.007 198/EB ON FROM NB 12th AVE

Analysis of the TASAS Table B records shows a total of 6 collisions at PM R017.007 at the ramp of 198/EB on from NB 12th Ave within the study periods summarized above. Table 1 reflects that the Actual Fatal collision rates are below the average for similar facilities statewide. It also reflects that the Actual Fatal + Injury and Actual Total collision rates are above the average for similar facilities statewide.

Table 5
Highway Primary Collision Factors and Type of Collision

Primary Collision Factor	Type of Collision		
	Head On	Rear End	Hit Object
Following Too Close		2	
Speeding			1
Other Violation		2	
Not Stated	1		
Total	**1**	**4**	**1**

Table 5 shown above indicates that the predominant collision type was Rear End (4), with the corresponding collision factors being Following Too Close (2) and Other Violation (2). Other types of collisions that occurred on this segment were Head On (1) and Hit Object (1). Other pertinent primary collision factors were Speeding and Not Stated.

TASAS Table B shows that there was 1 Hit Object type of collisions. The Hit Object was a "Guardrail".

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PM R017.070 198/WB OFF TO 12th AVE

Analysis of the TASAS Table B records shows a total of 26 collisions at PM R017.070 at the ramp of 198/WB off to 12th Ave within the study periods summarized above. Table 1 reflects that the Actual Fatal collision rates are below the average for similar facilities statewide. It also reflects that the Actual Fatal + Injury and Actual Total collision rates are above the average for similar facilities statewide.

Table 6
Highway Primary Collision Factors and Type of Collision

Primary Collision Factor	Type of Collision	
	Side Swipe	Rear End
Speeding		16
Other Violation	3	7
Total	**3**	**23**

Table 6 shown above indicates that the predominant collision type was Rear End (23), and the corresponding collision factor was Speeding (16). Another type of collision that occurred on this segment was Side Swipe (3). Another pertinent primary collision factor was Other Violation.

TASAS Table B shows that there was 0 Hit Object type of collision.

End of summary.

KW/CW

Protected by 23 U.S.C. § 407

TIMS

	CASE_ID	ACCIDENT_	PROC_DAT	JURIS	COLLISION	COLLISION	DAY_OF_W	CHP_SHIFT	POPULATIC	CNTY_CITY_LOC			PRIMARY_F	SECONDAI	DISTANCE	DIRECTION	INTERSECT	STATE_HW	TOW_AWA\	COLLISION	NUMBER_I	Type	TYPE_OF_COLLISION
EB Loop	9227169	2021	3/24/2021	1602	2/10/2021	1619	3	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	N	N	3	1	Rear End	C
EB Loop	9464256	2023	5/3/2023	1602	2/28/2023	1112	2	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	N	Y	2	3	Sideswipe	B
EB Loop	9533936	2022	2/2/2023	1602	########	0045	5	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	N	N	3	1	Rear End	C
EB Loop	9727518	2024	8/19/2024	1602	6/28/2024	2318	5	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	N	N	3	1	Broadside	D
EB Loop	9747212	2024	########	1602	9/29/2024	1912	7	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	N	Y	3	1	Sideswipe	B
EB Loop	9753397	2024	12/3/2024	1602	9/28/2024	1917	6	5	4	1602	12TH AV	RT 198	RT 198	12TH AV	0		Y	N	Y	3	1	Broadside	D
hanford	9181740	2020	########	1602	########	1901	6	5	4	1602	12TH AV	HANFORD	12TH AV	HANFORD	0		Y	N	Y	3	3	Rear End	C
hanford	9228150	2021	4/6/2021	1602	3/8/2021	1848	1	5	4	1602	12TH AV	HANFORD	12TH AV	HANFORD	0		Y	N	Y	4	1	Broadside	D
hanford	9260720	2021	6/23/2021	1602	5/13/2021	0743	4	5	4	1602	12TH AV	HANFORD	12TH AV	HANFORD	0		Y	N	Y	4	3	Rear End	C
hanford	9441010	2022	5/12/2022	1602	3/29/2022	1038	2	5	4	1602	12TH AV	HANFORD	12TH AV	HANFORD	0		Y	N	Y	3	3	Broadside	D
hanford	9092730	2020	7/3/2020	1602	3/17/2020	2009	2	5	4	1602	12TH AV	HANFORD	HANFORD	12TH AV	20	W	N	N	N	3	1	Rear End	C
hanford	9145273	2020	########	1602	8/27/2020	2042	4	5	4	1602	12TH AV	HANFORD	HANFORD	12TH AV	0		Y	N	Y	3	4	Head-On	A
hanford	9363490	2021	########	1602	########	2024	7	5	4	1602	12TH AV	HANFORD	HANFORD	12TH AV	0		Y	N	Y	3	1	Broadside	D
hanford	9511722	2022	2/1/2023	1602	12/7/2022	1428	3	5	4	1602	12TH AV	HANFORD	HANFORD	12TH AV	130	E	N	N	N	3	1	Vehicle/Pe	G
hanford	9560988	2023	4/26/2023	1602	3/8/2023	1454	3	5	4	1602	12TH AV	HANFORD	HANFORD	12TH AV	0		Y	N	Y	4	1	Rear End	C
hayden	9677974	2024	6/21/2024	1602	4/29/2024	2042	1	5	4	1602	12TH AV	HAYDEN A\	12TH AV	HAYDEN A\	0		Y	N	Y	4	2	Head-On	A
WB	9301555	2021	10/1/2021	1602	8/2/2021	1138	1	5	4	1602	12TH AV	GLENDALE	12TH AV	GLENDALE	125	S	N	N	Y	4	3	Rear End	C
WB	9411187	2022	3/2/2022	1602	2/4/2022	0752	5	5	4	1602	12TH AV	GLENDALE	12TH AV	GLENDALE	217	S	N	N	Y	4	1	Hit Object	E
WB	9141093	2020	########	1602	8/12/2020	1425	3	5	4	1602	12TH AV	RT 198	12TH AV	RT 198	0		Y	Y	N	3	1	Rear End	C
WB	91836643	2022	8/9/2022	9440	8/4/2022	1634	4	2	4	1602	12TH AV	SR-198 W/I	SR-198 W/I	12TH AV	46	E	N	Y	N	3	1	Rear End	C
WB	91943592	2022	########	9440	########	1500	3	2	4	1602	12TH AV	SR-198 W/I	SR-198 W/I	12TH AV	40	E	N	Y	N	4	1	Rear End	C

1 Fatality
2 Serious Injury
3 Minor Injury
4 Possible Injury
0 PDO

Appendix I

Analysis Worksheets for Improvements plus Project

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3732	3646	3755	3737	3723	3797	3652
Vehs Exited	3745	3648	3759	3769	3716	3764	3678
Starting Vehs	112	123	123	125	103	95	125
Ending Vehs	99	121	119	93	110	128	99
Travel Distance (mi)	2579	2496	2590	2625	2544	2608	2504
Travel Time (hr)	121.5	116.4	121.0	122.5	120.1	125.0	118.6
Total Delay (hr)	41.4	38.9	40.9	41.5	41.2	44.1	40.8
Total Stops	4737	4519	4718	4776	4690	4805	4602
Fuel Used (gal)	98.4	94.7	98.8	98.9	97.0	99.5	95.6

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3644	3699	3752	3716
Vehs Exited	3648	3689	3799	3721
Starting Vehs	112	117	139	113
Ending Vehs	108	127	92	109
Travel Distance (mi)	2511	2548	2614	2562
Travel Time (hr)	117.9	118.1	124.6	120.6
Total Delay (hr)	40.0	39.2	43.2	41.1
Total Stops	4549	4647	4946	4698
Fuel Used (gal)	95.6	96.6	99.8	97.5

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	914	885	878	862	859	903	874
Vehs Exited	898	885	908	889	833	894	897
Starting Vehs	112	123	123	125	103	95	125
Ending Vehs	128	123	93	98	129	104	102
Travel Distance (mi)	630	616	623	616	582	625	608
Travel Time (hr)	29.0	28.4	29.1	28.8	27.3	29.5	28.4
Total Delay (hr)	9.5	9.3	9.7	9.8	9.3	10.1	9.5
Total Stops	1075	1109	1108	1153	1112	1149	1093
Fuel Used (gal)	23.5	23.4	24.0	23.6	22.0	24.0	23.0

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	823	931	908	879
Vehs Exited	827	913	929	889
Starting Vehs	112	117	139	113
Ending Vehs	108	135	118	112
Travel Distance (mi)	556	648	648	615
Travel Time (hr)	25.2	29.9	30.3	28.6
Total Delay (hr)	7.9	9.8	10.2	9.5
Total Stops	936	1192	1174	1108
Fuel Used (gal)	21.0	24.4	24.6	23.4

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1045	1038	1115	1068	1050	1074	1120
Vehs Exited	1040	1026	1058	1015	1029	1036	1086
Starting Vehs	128	123	93	98	129	104	102
Ending Vehs	133	135	150	151	150	142	136
Travel Distance (mi)	712	691	730	711	702	711	743
Travel Time (hr)	34.9	33.4	35.2	34.0	33.6	35.2	36.6
Total Delay (hr)	12.8	11.9	12.6	12.2	12.0	13.1	13.6
Total Stops	1388	1320	1384	1339	1291	1355	1446
Fuel Used (gal)	27.6	26.4	27.8	26.7	27.0	27.0	28.5

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1082	1053	1100	1070
Vehs Exited	1051	1045	1060	1043
Starting Vehs	108	135	118	112
Ending Vehs	139	143	158	140
Travel Distance (mi)	721	692	737	715
Travel Time (hr)	36.6	33.5	36.9	35.0
Total Delay (hr)	14.1	11.9	14.1	12.8
Total Stops	1501	1346	1498	1389
Fuel Used (gal)	28.0	26.5	28.5	27.4

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	880	844	877	903	910	939	818
Vehs Exited	909	889	924	943	976	933	851
Starting Vehs	133	135	150	151	150	142	136
Ending Vehs	104	90	103	111	84	148	103
Travel Distance (mi)	620	591	633	649	643	658	581
Travel Time (hr)	29.2	26.7	29.4	30.1	30.2	31.7	27.1
Total Delay (hr)	9.9	8.4	9.8	10.0	10.1	11.4	9.1
Total Stops	1165	990	1157	1164	1145	1232	1051
Fuel Used (gal)	23.9	22.0	24.2	24.6	24.4	25.1	22.4

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	857	839	878	872
Vehs Exited	907	882	906	912
Starting Vehs	139	143	158	140
Ending Vehs	89	100	130	106
Travel Distance (mi)	614	599	624	621
Travel Time (hr)	28.1	27.3	29.2	28.9
Total Delay (hr)	9.0	8.8	9.8	9.6
Total Stops	1066	1066	1139	1117
Fuel Used (gal)	23.3	22.7	23.7	23.6

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	893	879	885	904	904	881	840
Vehs Exited	898	848	869	922	878	901	844
Starting Vehs	104	90	103	111	84	148	103
Ending Vehs	99	121	119	93	110	128	99
Travel Distance (mi)	618	598	604	648	616	614	571
Travel Time (hr)	28.4	28.0	27.3	29.6	28.9	28.6	26.5
Total Delay (hr)	9.2	9.3	8.7	9.6	9.8	9.4	8.7
Total Stops	1109	1100	1069	1120	1142	1069	1012
Fuel Used (gal)	23.3	22.8	22.8	24.1	23.5	23.4	21.6

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	882	876	866	880
Vehs Exited	863	849	904	877
Starting Vehs	89	100	130	106
Ending Vehs	108	127	92	109
Travel Distance (mi)	620	610	605	610
Travel Time (hr)	28.0	27.4	28.2	28.1
Total Delay (hr)	9.0	8.6	9.1	9.1
Total Stops	1046	1043	1135	1087
Fuel Used (gal)	23.2	22.9	23.0	23.1

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	5.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	1.0	0.0	0.1	0.0	0.1	0.0	0.0	0.4	1.9	0.0	0.1	0.1
Total Del/Veh (s)	16.3	5.8	4.4	33.0	26.5	6.8	21.2	20.8	8.6	5.2	23.1	22.4
Stop Delay (hr)	0.8	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.7	0.0	0.1	0.1
Stop Del/Veh (s)	14.3	4.7	4.1	31.0	24.3	6.9	18.8	17.1	3.4	2.7	21.5	19.5

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0
Total Delay (hr)	1.0	0.3	5.0
Total Del/Veh (s)	9.6	5.7	10.0
Stop Delay (hr)	0.5	0.2	3.0
Stop Del/Veh (s)	4.9	2.7	6.0

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.2	0.1
Total Delay (hr)	0.0	0.0	0.1	0.4	0.5
Total Del/Veh (s)	0.1	0.7	1.0	5.6	2.9
Stop Delay (hr)	0.0	0.0	0.0	0.2	0.3
Stop Del/Veh (s)	0.0	0.5	0.4	3.2	1.6

Total Zone Performance

Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.3
Total Delay (hr)	5.5
Total Del/Veh (s)	361.0
Stop Delay (hr)	3.3
Stop Del/Veh (s)	213.4

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	T	R	UL	T	TR	UL	T	T	R
Maximum Queue (ft)	179	66	20	38	28	101	138	159	60	130	114	133
Average Queue (ft)	81	24	1	11	6	43	61	75	18	58	48	51
95th Queue (ft)	141	50	11	34	24	80	116	133	48	112	95	98
Link Distance (ft)	183	183		534	534		650	650		582	582	
Upstream Blk Time (%)	0											
Queuing Penalty (veh)	0											
Storage Bay Dist (ft)			165			215			220			250
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	91	5
Average Queue (ft)	46	0
95th Queue (ft)	76	5
Link Distance (ft)	414	414
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	4236	4171	4190	4239	4191	4241	4206
Vehs Exited	4233	4207	4192	4233	4215	4216	4191
Starting Vehs	113	151	134	117	133	123	138
Ending Vehs	116	115	132	123	109	148	153
Travel Distance (mi)	2891	2882	2877	2918	2878	2897	2894
Travel Time (hr)	134.7	135.3	135.5	135.7	134.5	137.8	136.4
Total Delay (hr)	44.7	45.6	45.8	44.9	44.9	47.6	46.3
Total Stops	4866	4821	4837	4856	4745	5056	4907
Fuel Used (gal)	108.5	108.5	107.9	109.5	108.6	109.9	108.9

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	4157	4361	4136	4214
Vehs Exited	4187	4364	4138	4217
Starting Vehs	153	141	127	130
Ending Vehs	123	138	125	126
Travel Distance (mi)	2832	2998	2832	2890
Travel Time (hr)	132.9	141.5	132.8	135.7
Total Delay (hr)	44.5	48.2	44.5	45.7
Total Stops	4761	5118	4680	4864
Fuel Used (gal)	107.0	114.1	106.0	108.9

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1046	1029	1019	1026	1013	1049	1073
Vehs Exited	1023	1046	1027	1021	1009	1035	1092
Starting Vehs	113	151	134	117	133	123	138
Ending Vehs	136	134	126	122	137	137	119
Travel Distance (mi)	699	716	699	698	694	717	758
Travel Time (hr)	31.9	33.4	32.8	32.4	31.8	33.7	36.5
Total Delay (hr)	10.1	11.2	11.1	10.6	10.3	11.4	13.0
Total Stops	1161	1212	1174	1133	1143	1178	1290
Fuel Used (gal)	26.1	27.1	26.3	26.3	26.2	26.9	28.8

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	978	1109	1033	1038
Vehs Exited	1004	1110	1051	1039
Starting Vehs	153	141	127	130
Ending Vehs	127	140	109	127
Travel Distance (mi)	672	765	715	713
Travel Time (hr)	31.2	36.5	34.3	33.5
Total Delay (hr)	10.1	12.7	11.9	11.2
Total Stops	1126	1286	1228	1195
Fuel Used (gal)	25.4	29.1	26.9	26.9

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1136	1114	1073	1171	1129	1116	1198
Vehs Exited	1121	1098	1065	1131	1127	1097	1183
Starting Vehs	136	134	126	122	137	137	119
Ending Vehs	151	150	134	162	139	156	134
Travel Distance (mi)	768	746	729	781	769	741	809
Travel Time (hr)	36.4	35.7	34.4	37.0	36.9	36.0	39.1
Total Delay (hr)	12.5	12.5	11.7	12.7	13.0	12.9	13.9
Total Stops	1340	1320	1271	1371	1281	1377	1484
Fuel Used (gal)	29.0	28.0	27.2	29.4	29.0	28.3	30.4

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1127	1161	1115	1133
Vehs Exited	1117	1158	1071	1117
Starting Vehs	127	140	109	127
Ending Vehs	137	143	153	145
Travel Distance (mi)	751	783	737	761
Travel Time (hr)	36.3	37.1	34.4	36.3
Total Delay (hr)	12.8	12.7	11.4	12.6
Total Stops	1295	1358	1189	1329
Fuel Used (gal)	28.5	30.0	27.4	28.7

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1044	1024	1076	1062	1062	1007	968
Vehs Exited	1045	1053	1080	1095	1069	1031	971
Starting Vehs	151	150	134	162	139	156	134
Ending Vehs	150	121	130	129	132	132	131
Travel Distance (mi)	722	724	754	743	728	705	670
Travel Time (hr)	33.8	33.6	35.4	34.4	33.7	33.1	30.9
Total Delay (hr)	11.4	11.1	11.8	11.2	11.1	11.1	10.0
Total Stops	1216	1145	1250	1231	1175	1211	1122
Fuel Used (gal)	27.2	27.0	28.2	27.9	27.1	26.8	25.1

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	983	1034	1016	1027
Vehs Exited	1012	1040	998	1041
Starting Vehs	137	143	153	145
Ending Vehs	108	137	171	133
Travel Distance (mi)	683	719	702	715
Travel Time (hr)	32.1	33.3	33.1	33.3
Total Delay (hr)	10.9	11.0	11.3	11.1
Total Stops	1177	1196	1179	1189
Fuel Used (gal)	25.9	27.3	26.6	26.9

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1010	1004	1022	980	987	1069	967
Vehs Exited	1044	1010	1020	986	1010	1053	945
Starting Vehs	150	121	130	129	132	132	131
Ending Vehs	116	115	132	123	109	148	153
Travel Distance (mi)	702	696	695	696	688	735	656
Travel Time (hr)	32.5	32.6	32.9	31.9	31.9	35.1	29.9
Total Delay (hr)	10.7	10.9	11.2	10.4	10.6	12.1	9.4
Total Stops	1149	1144	1142	1121	1146	1290	1011
Fuel Used (gal)	26.2	26.4	26.1	25.9	26.4	27.9	24.6

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1069	1057	972	1008
Vehs Exited	1054	1056	1018	1019
Starting Vehs	108	137	171	133
Ending Vehs	123	138	125	126
Travel Distance (mi)	726	730	678	700
Travel Time (hr)	33.3	34.6	31.1	32.6
Total Delay (hr)	10.8	11.9	9.9	10.8
Total Stops	1163	1278	1084	1152
Fuel Used (gal)	27.3	27.7	25.1	26.4

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	3.8	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1
Total Delay (hr)	0.8	0.0	0.1	0.1	0.1	0.1	0.0	0.3	1.6	0.0	0.2	0.2
Total Del/Veh (s)	16.5	10.5	5.6	23.4	21.8	6.7	9.6	21.6	9.5	6.5	23.7	25.7
Stop Delay (hr)	0.7	0.0	0.1	0.1	0.1	0.1	0.0	0.3	0.8	0.0	0.2	0.2
Stop Del/Veh (s)	14.7	8.9	5.3	22.0	19.6	6.5	8.9	18.3	4.5	3.8	21.1	21.3

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.2	0.1
Total Delay (hr)	2.0	0.3	5.8
Total Del/Veh (s)	10.6	5.5	10.9
Stop Delay (hr)	0.9	0.1	3.4
Stop Del/Veh (s)	4.6	2.2	6.4

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.2	0.1
Total Delay (hr)	0.0	0.0	0.0	0.3	0.4
Total Del/Veh (s)	0.0	0.6	0.8	5.0	2.7
Stop Delay (hr)	0.0	0.0	0.0	0.2	0.2
Stop Del/Veh (s)	0.0	0.3	0.3	2.8	1.5

Total Zone Performance

Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.4
Total Delay (hr)	6.1
Total Del/Veh (s)	470.5
Stop Delay (hr)	3.6
Stop Del/Veh (s)	274.8

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	T	R	UL	T	TR	UL	T	T	R
Maximum Queue (ft)	136	58	34	45	48	75	120	137	98	206	187	108
Average Queue (ft)	65	23	9	9	20	33	53	72	37	87	71	40
95th Queue (ft)	115	47	30	33	44	64	103	121	76	169	146	82
Link Distance (ft)	173	173		534	534		650	650		581	581	
Upstream Blk Time (%)	0											
Queuing Penalty (veh)	0											
Storage Bay Dist (ft)			165			215			220			250
Storage Blk Time (%)										0	0	
Queuing Penalty (veh)										0	0	

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB	SB
Directions Served	L	R
Maximum Queue (ft)	70	5
Average Queue (ft)	41	0
95th Queue (ft)	64	5
Link Distance (ft)	385	385
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	6:50	6:50	6:50	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	3847	3930	3850	3885	3836	4059	3797
Vehs Exited	3846	3954	3843	3900	3831	4062	3792
Starting Vehs	120	135	118	131	127	124	131
Ending Vehs	121	111	125	116	132	121	136
Travel Distance (mi)	2681	2725	2678	2691	2649	2847	2654
Travel Time (hr)	126.5	129.3	125.5	128.1	124.9	136.2	126.5
Total Delay (hr)	43.4	44.8	42.6	44.7	42.7	48.1	44.1
Total Stops	4835	4780	4647	4725	4642	4998	4778
Fuel Used (gal)	101.6	103.5	100.7	101.6	100.3	107.9	100.8

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	6:50	6:50	6:50	6:50
End Time	8:00	8:00	8:00	8:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	3871	3892	3886	3887
Vehs Exited	3893	3885	3896	3889
Starting Vehs	136	123	136	124
Ending Vehs	114	130	126	121
Travel Distance (mi)	2685	2689	2706	2700
Travel Time (hr)	127.8	128.8	127.6	128.1
Total Delay (hr)	44.2	45.0	43.7	44.3
Total Stops	4709	4834	4736	4767
Fuel Used (gal)	101.7	102.2	101.2	102.2

Interval #0 Information Seeding

Start Time	6:50
End Time	7:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	890	1029	955	939	932	1014	900
Vehs Exited	891	1029	961	935	959	982	930
Starting Vehs	120	135	118	131	127	124	131
Ending Vehs	119	135	112	135	100	156	101
Travel Distance (mi)	627	714	668	651	653	695	648
Travel Time (hr)	28.8	34.8	30.8	31.3	30.1	33.4	30.5
Total Delay (hr)	9.5	12.5	10.1	11.1	9.8	11.9	10.4
Total Stops	1086	1338	1127	1184	1070	1231	1136
Fuel Used (gal)	23.7	27.6	25.0	24.8	24.4	26.4	24.9

Interval #1 Information Recording

Start Time	7:00
End Time	7:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	887	957	986	947
Vehs Exited	911	945	994	951
Starting Vehs	136	123	136	124
Ending Vehs	112	135	128	121
Travel Distance (mi)	621	647	689	661
Travel Time (hr)	28.7	30.8	32.3	31.1
Total Delay (hr)	9.4	10.6	11.1	10.6
Total Stops	1046	1143	1201	1155
Fuel Used (gal)	23.6	24.6	25.5	25.0

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1025	1030	1047	1015	1015	1083	1064
Vehs Exited	1000	1014	1019	1002	980	1103	1000
Starting Vehs	119	135	112	135	100	156	101
Ending Vehs	144	151	140	148	135	136	165
Travel Distance (mi)	711	701	731	702	694	767	718
Travel Time (hr)	34.0	33.4	36.0	34.1	33.0	37.3	35.3
Total Delay (hr)	12.0	11.8	13.5	12.5	11.4	13.6	13.0
Total Stops	1287	1233	1366	1285	1277	1365	1346
Fuel Used (gal)	27.1	26.4	27.9	26.8	26.3	29.0	27.3

Interval #2 Information

Start Time	7:15
End Time	7:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1050	1057	1033	1038
Vehs Exited	1032	1032	1024	1021
Starting Vehs	112	135	128	121
Ending Vehs	130	160	137	145
Travel Distance (mi)	721	715	717	718
Travel Time (hr)	35.3	34.5	34.5	34.8
Total Delay (hr)	12.8	12.1	12.2	12.5
Total Stops	1318	1276	1272	1302
Fuel Used (gal)	27.4	26.9	27.0	27.2

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	974	951	908	974	926	994	900
Vehs Exited	997	973	934	986	956	1001	964
Starting Vehs	144	151	140	148	135	136	165
Ending Vehs	121	129	114	136	105	129	101
Travel Distance (mi)	685	666	629	679	650	697	649
Travel Time (hr)	32.5	31.3	28.8	31.7	30.6	33.1	30.6
Total Delay (hr)	11.2	10.7	9.3	10.5	10.3	11.6	10.5
Total Stops	1232	1117	1048	1140	1121	1224	1175
Fuel Used (gal)	25.8	25.3	23.6	25.4	24.6	26.1	24.6

Interval #3 Information

Start Time	7:30
End Time	7:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	956	934	917	942
Vehs Exited	982	971	947	971
Starting Vehs	130	160	137	145
Ending Vehs	104	123	107	114
Travel Distance (mi)	670	679	655	666
Travel Time (hr)	31.5	33.0	30.1	31.3
Total Delay (hr)	10.7	11.9	9.9	10.7
Total Stops	1131	1269	1104	1157
Fuel Used (gal)	25.1	26.3	24.5	25.1

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	958	920	940	957	963	968	933
Vehs Exited	958	938	929	977	936	976	898
Starting Vehs	121	129	114	136	105	129	101
Ending Vehs	121	111	125	116	132	121	136
Travel Distance (mi)	657	644	650	659	653	688	640
Travel Time (hr)	31.3	29.8	29.8	31.0	31.3	32.3	30.1
Total Delay (hr)	10.8	9.8	9.7	10.6	11.1	11.0	10.3
Total Stops	1230	1092	1106	1116	1174	1178	1121
Fuel Used (gal)	25.0	24.2	24.3	24.6	25.0	26.4	23.9

Interval #4 Information

Start Time	7:45
End Time	8:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	978	944	950	950
Vehs Exited	968	937	931	944
Starting Vehs	104	123	107	114
Ending Vehs	114	130	126	121
Travel Distance (mi)	673	648	645	656
Travel Time (hr)	32.2	30.5	30.6	30.9
Total Delay (hr)	11.3	10.3	10.4	10.5
Total Stops	1214	1146	1159	1153
Fuel Used (gal)	25.5	24.4	24.3	24.8

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	1.0	0.0	0.1	0.1	0.1	0.0	0.1	0.4	2.0	0.0	0.1	0.1
Total Del/Veh (s)	16.3	6.3	4.9	23.6	26.2	8.4	20.5	22.5	9.1	6.3	21.3	24.3
Stop Delay (hr)	0.8	0.0	0.1	0.1	0.1	0.0	0.1	0.4	0.8	0.0	0.1	0.1
Stop Del/Veh (s)	14.3	5.0	4.6	22.2	24.0	8.4	18.0	18.6	3.8	3.2	19.7	21.3

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0
Total Delay (hr)	1.2	0.3	5.6
Total Del/Veh (s)	10.0	5.5	10.5
Stop Delay (hr)	0.6	0.2	3.4
Stop Del/Veh (s)	5.1	2.6	6.3

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.0	0.0	0.3	0.1
Total Delay (hr)	0.0	0.0	0.1	0.4	0.5
Total Del/Veh (s)	0.1	0.7	0.9	5.6	3.0
Stop Delay (hr)	0.0	0.0	0.0	0.2	0.3
Stop Del/Veh (s)	0.0	0.5	0.3	3.2	1.6

Total Zone Performance

Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.4
Total Delay (hr)	6.1
Total Del/Veh (s)	591.4
Stop Delay (hr)	3.6
Stop Del/Veh (s)	352.0

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	T	R	UL	T	TR	UL	T	T	R
Maximum Queue (ft)	166	65	34	43	30	100	158	174	66	161	144	134
Average Queue (ft)	83	25	8	9	7	43	65	82	24	66	60	50
95th Queue (ft)	142	50	29	31	25	81	123	138	55	132	120	95
Link Distance (ft)	183	183		534	534		650	650		582	582	
Upstream Blk Time (%)	0											
Queuing Penalty (veh)	0											
Storage Bay Dist (ft)			165			215			220			250
Storage Blk Time (%)							0					
Queuing Penalty (veh)							0					

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB
Directions Served	L
Maximum Queue (ft)	88
Average Queue (ft)	47
95th Queue (ft)	74
Link Distance (ft)	414
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 0

Summary of All Intervals

Run Number	1	2	3	4	5	6	7
Start Time	4:50	4:50	4:50	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70	70	70	70
Time Recorded (min)	60	60	60	60	60	60	60
# of Intervals	5	5	5	5	5	5	5
# of Recorded Intervals	4	4	4	4	4	4	4
Vehs Entered	4657	4811	4802	4760	4712	4822	4794
Vehs Exited	4630	4784	4816	4778	4692	4788	4811
Starting Vehs	130	161	156	143	141	127	166
Ending Vehs	157	188	142	125	161	161	149
Travel Distance (mi)	3230	3344	3335	3319	3288	3352	3319
Travel Time (hr)	154.1	165.5	162.4	158.9	160.5	166.7	161.9
Total Delay (hr)	53.8	61.6	58.7	56.1	58.5	62.5	58.8
Total Stops	5605	5970	5860	5581	5711	6019	5713
Fuel Used (gal)	121.5	126.7	126.2	124.6	124.8	127.9	125.4

Summary of All Intervals

Run Number	8	9	10	Avg
Start Time	4:50	4:50	4:50	4:50
End Time	6:00	6:00	6:00	6:00
Total Time (min)	70	70	70	70
Time Recorded (min)	60	60	60	60
# of Intervals	5	5	5	5
# of Recorded Intervals	4	4	4	4
Vehs Entered	4828	4935	4719	4782
Vehs Exited	4809	4905	4740	4777
Starting Vehs	151	160	157	146
Ending Vehs	170	190	136	158
Travel Distance (mi)	3378	3411	3313	3329
Travel Time (hr)	164.9	167.5	161.5	162.4
Total Delay (hr)	60.1	61.6	58.6	59.0
Total Stops	5836	5925	5714	5791
Fuel Used (gal)	128.4	129.1	125.3	126.0

Interval #0 Information Seeding

Start Time	4:50
End Time	5:00
Total Time (min)	10

Volumes adjusted by Growth Factors.
No data recorded this interval.

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1132	1169	1196	1141	1155	1133	1172
Vehs Exited	1098	1181	1174	1143	1129	1099	1171
Starting Vehs	130	161	156	143	141	127	166
Ending Vehs	164	149	178	141	167	161	167
Travel Distance (mi)	773	820	828	799	804	780	807
Travel Time (hr)	36.0	40.1	40.0	37.6	39.1	37.6	39.3
Total Delay (hr)	12.1	14.5	14.3	12.9	14.2	13.5	14.1
Total Stops	1349	1502	1419	1312	1404	1361	1390
Fuel Used (gal)	29.1	31.0	31.1	29.9	30.5	29.6	30.2

Interval #1 Information Recording

Start Time	5:00
End Time	5:15
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1169	1208	1185	1167
Vehs Exited	1152	1199	1166	1152
Starting Vehs	151	160	157	146
Ending Vehs	168	169	176	163
Travel Distance (mi)	808	836	822	808
Travel Time (hr)	38.4	40.5	38.7	38.7
Total Delay (hr)	13.3	14.6	13.2	13.7
Total Stops	1337	1430	1348	1386
Fuel Used (gal)	30.6	31.4	30.9	30.4

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1281	1312	1319	1270	1258	1307	1337
Vehs Exited	1249	1284	1289	1241	1257	1267	1322
Starting Vehs	164	149	178	141	167	161	167
Ending Vehs	196	177	208	170	168	201	182
Travel Distance (mi)	889	908	901	862	874	907	930
Travel Time (hr)	43.9	45.9	45.5	41.8	44.0	46.5	47.9
Total Delay (hr)	16.3	17.8	17.4	15.2	16.9	18.4	19.0
Total Stops	1559	1655	1662	1446	1583	1689	1697
Fuel Used (gal)	33.8	34.3	34.0	32.1	33.5	34.8	35.7

Interval #2 Information

Start Time	5:15
End Time	5:30
Total Time (min)	15

Volumes adjusted by PHF, Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1316	1335	1299	1302
Vehs Exited	1298	1346	1301	1284
Starting Vehs	168	169	176	163
Ending Vehs	186	158	174	186
Travel Distance (mi)	925	920	908	902
Travel Time (hr)	47.4	45.8	46.5	45.5
Total Delay (hr)	18.6	17.2	18.2	17.5
Total Stops	1666	1587	1691	1623
Fuel Used (gal)	35.4	34.8	34.6	34.3

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1155	1166	1170	1196	1129	1204	1151
Vehs Exited	1188	1181	1233	1196	1142	1221	1186
Starting Vehs	196	177	208	170	168	201	182
Ending Vehs	163	162	145	170	155	184	147
Travel Distance (mi)	812	806	836	837	798	840	791
Travel Time (hr)	38.6	39.2	39.9	40.5	38.4	42.2	36.9
Total Delay (hr)	13.4	14.3	14.0	14.6	13.6	16.0	12.3
Total Stops	1391	1350	1439	1449	1340	1492	1290
Fuel Used (gal)	30.5	30.5	31.3	31.5	30.0	32.2	29.7

Interval #3 Information

Start Time	5:30
End Time	5:45
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1164	1177	1167	1167
Vehs Exited	1197	1189	1206	1193
Starting Vehs	186	158	174	186
Ending Vehs	153	146	135	153
Travel Distance (mi)	821	828	837	821
Travel Time (hr)	39.2	40.3	41.3	39.7
Total Delay (hr)	13.6	14.6	15.3	14.2
Total Stops	1382	1443	1457	1402
Fuel Used (gal)	31.1	31.3	31.9	31.0

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	1	2	3	4	5	6	7
Vehs Entered	1089	1164	1117	1153	1170	1178	1134
Vehs Exited	1095	1138	1120	1198	1164	1201	1132
Starting Vehs	163	162	145	170	155	184	147
Ending Vehs	157	188	142	125	161	161	149
Travel Distance (mi)	756	811	770	820	812	826	791
Travel Time (hr)	35.5	40.2	37.0	39.0	39.1	40.4	37.9
Total Delay (hr)	12.0	15.0	13.0	13.5	13.9	14.5	13.3
Total Stops	1306	1463	1340	1374	1384	1477	1336
Fuel Used (gal)	28.1	30.8	29.7	31.1	30.8	31.3	29.8

Interval #4 Information

Start Time	5:45
End Time	6:00
Total Time (min)	15

Volumes adjusted by Growth Factors.

Run Number	8	9	10	Avg
Vehs Entered	1179	1215	1068	1146
Vehs Exited	1162	1171	1067	1143
Starting Vehs	153	146	135	153
Ending Vehs	170	190	136	158
Travel Distance (mi)	823	827	746	798
Travel Time (hr)	40.0	40.9	35.1	38.5
Total Delay (hr)	14.5	15.2	11.9	13.7
Total Stops	1451	1465	1218	1383
Fuel Used (gal)	31.3	31.5	27.9	30.2

3: 12th Ave & Hayden Ave Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay (hr)	0.8	0.0	0.1	0.1	0.1	0.1	0.1	0.3	2.1	0.0	0.2	0.2
Total Del/Veh (s)	17.5	7.3	6.4	23.9	23.1	7.7	19.2	23.2	10.3	7.4	23.8	24.0
Stop Delay (hr)	0.7	0.0	0.1	0.1	0.1	0.1	0.0	0.3	0.9	0.0	0.2	0.2
Stop Del/Veh (s)	15.7	6.0	6.1	22.4	21.0	7.6	17.0	19.3	4.6	3.9	21.4	20.0

3: 12th Ave & Hayden Ave Performance by movement

Movement	SBT	SBR	All
Denied Delay (hr)	0.0	0.0	0.0
Denied Del/Veh (s)	0.0	0.1	0.0
Total Delay (hr)	2.5	0.3	6.9
Total Del/Veh (s)	10.7	5.1	11.2
Stop Delay (hr)	1.2	0.1	4.0
Stop Del/Veh (s)	4.9	2.0	6.4

5: Hayden Ave & Full Access Dwy Performance by movement

Movement	EBT	WBT	WBR	SBL	All
Denied Delay (hr)	0.0	0.0	0.0	0.0	0.0
Denied Del/Veh (s)	0.1	0.1	0.0	0.2	0.1
Total Delay (hr)	0.0	0.0	0.0	0.3	0.4
Total Del/Veh (s)	0.0	0.6	0.8	4.9	2.7
Stop Delay (hr)	0.0	0.0	0.0	0.2	0.2
Stop Del/Veh (s)	0.0	0.3	0.3	2.7	1.4

Total Zone Performance

Denied Delay (hr)	0.0
Denied Del/Veh (s)	0.4
Total Delay (hr)	7.3
Total Del/Veh (s)	653.1
Stop Delay (hr)	4.2
Stop Del/Veh (s)	374.2

Intersection: 3: 12th Ave & Hayden Ave

Movement	EB	EB	WB	WB	WB	NB	NB	NB	SB	SB	SB	SB
Directions Served	L	TR	L	T	R	UL	T	TR	UL	T	T	R
Maximum Queue (ft)	140	56	35	36	57	92	160	195	92	226	200	87
Average Queue (ft)	66	22	8	8	21	37	69	88	39	100	86	38
95th Queue (ft)	113	46	30	29	46	76	130	156	76	190	163	72
Link Distance (ft)	173	173		534	534		650	650		581	581	
Upstream Blk Time (%)	0											
Queuing Penalty (veh)	0											
Storage Bay Dist (ft)			165			215			220			250
Storage Blk Time (%)							0			0		
Queuing Penalty (veh)							0			0		

Intersection: 5: Hayden Ave & Full Access Dwy

Movement	SB
Directions Served	L
Maximum Queue (ft)	67
Average Queue (ft)	41
95th Queue (ft)	62
Link Distance (ft)	385
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 0